

Company: WoodSide Energy PTY LTD.

Well: THA01
Field: Otway Gas Development
Rig: Maersk Guardian Country: Australia

PGGT–Gamma Ray / CCL
Depth Determination

Otway Basin Australia		Elev.: K.B. 50.5 m G.L. 99.5 m D.F. 50.5 m
Permanent Datum: Log Measured From:	Mean Sea Level Drill Floor	Elev.: 0 m above Perm. Datum
Drilling Measured From:	Drill Floor	
State: Victoria	Max. Well Deviation 30 deg	Longitude 142 54 7.603 E
		Latitude 39 14 14.451 S

Logging Date	19–May–2006		
Run Number	1		
Depth Driller	2627.64 m		
Schlumberger Depth	2599.55 m		
Bottom Log Interval	2594.75 m		
Top Log Interval	0 m		
Casing Fluid Type	Drilling Fluid		
Salinity			
Density	1.2 g/cm3		
Fluid Level	0 m		
BIT/CASING/TUBING STRING			
Bit Size	12.250 in		
From	99.5 m		
To	2627.64 m		
Casing/Tubing Size	9.625 in		
Weight	42 lbm/ft		
Grade	13Cr–80		
From	2075.78 m		
To	2627.64 m		
Maximum Recorded Temperatures	118 degC		
Logger On Bottom	19–May–2006	11:15	
Unit Number	571	Maersk Guardian	
Recorded By	Owen Darby		
Witnessed By	Stuart Job		

PVT DATA	Oil Density	Run 1	Run 2	Run 3
	Water Salinity			
	Gas Gravity			
	Bo			
	Bw			
PVT DATA	1/Bg			
	Bubble Point Pressure			
	Bubble Point Temperature			
	Solution GOR			
CEMENTING DATA	Maximum Deviation	30 deg		
	Primary/Squeeze	Primary		
	Casing String No			
	Lead Cement Type			
	Volume			
	Density			
	Water Loss			
	Additives			
	Tail Cement Type			
	Volume			
	Density			
	Water Loss			
	Additives			
	Expected Cement Top			
	Logging Date			
	Run Number			
	Depth Driller			
	Schlumberger Depth			
	Bottom Log Interval			
	Top Log Interval			
	Casing Fluid Type			
	Salinity			
	Density			
	Fluid Level			
	BIT/CASING/TUBING STRING			
	Bit Size			
	From			
	To			
	Casing/Tubing Size			
	Weight			
	Grade			
	From			
	To			
	Maximum Recorded Temperatures			
	Logger On Bottom			
	Unit Number	Location		
	Recorded By			
	Witnessed By			

DEPTH SUMMARY LISTING

Date Created: 19-MAY-2006 17:07:24

Depth System Equipment

Depth Measuring Device		Tension Device		Logging Cable	
Type:	IDW-E	Type:	CMTD-B/A	Type:	7-46ZV-XS
Serial Number:	1914	Serial Number:	1051	Serial Number:	74172
Calibration Date:	24-08-2005	Calibration Date:	15-Jan-2006	Length:	5600.09 M
Calibrator Serial Number:	1914	Calibrator Serial Number:	-999		
Calibration Cable Type:	7-46ZV-XS	Calibration Gain:	2.88	Conveyance Method:	Wireline
Wheel Correction 1:	-2	Calibration Offset:	0.00	Rig Type:	Offshore_Fixed
Wheel Correction 2:	-3				

Depth Control Parameters

Log Sequence:	Subsequent Log In the Well
Reference Log Name:	
Reference Log Run Number:	
Reference Log Date:	Unknown

Depth Control Remarks

1. Used IDW as primary depth control
2. Used Z-Chart as secondary depth control
- 3.
- 4.
- 5.
- 6.

DISCLAIMER

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OTHER SERVICES1 OS1: None OS2: OS3: OS4: OS5:	OTHER SERVICES2 OS1: OS2: OS3: OS4: OS5:
REMARKS: RUN NUMBER 1	REMARKS: RUN NUMBER 2
Objective: Rig up and RIH PGGT–C tag bottom	
and log up pass pip tag and through 9 5/8" Liner	
hanger. Provide distance between pip tag and oil	
water contact for correlation at a later date.	
CCL to tool bottom = 1.05m	
TD Tagged at = 2694.7m MDKB	

Scumberger Crew:
Operartors = Ben Taylor and Brendan Flynn
Field Specialist = Owen Darby

SERVICE ORDER #: PROGRAM VERSION: FLUID LEVEL:			SERVICE ORDER #: PROGRAM VERSION: FLUID LEVEL:		
14C0-302 0 m					
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

RUN 1 RUN 2

SURFACE EQUIPMENT		DOWNHOLE EQUIPMENT	
SHM-EA			
SHM_GUN	5.20		
MH-22	5.20		
EQF-39			4.72
EQF-39			
EQF-39			3.49
EQF-39			

PGGT-C
PGGC 292
PGGH-A 292

2.26

Gamma Ray

0.48

Casing Co
Tension

TOOL ZERO

AH-Bottom Nose
AH-Bottom Nose

0.30

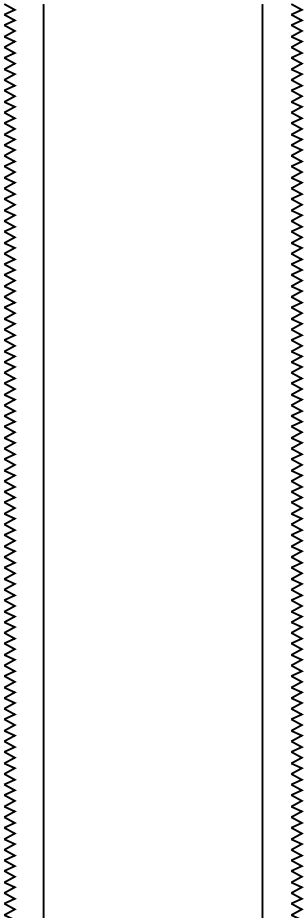
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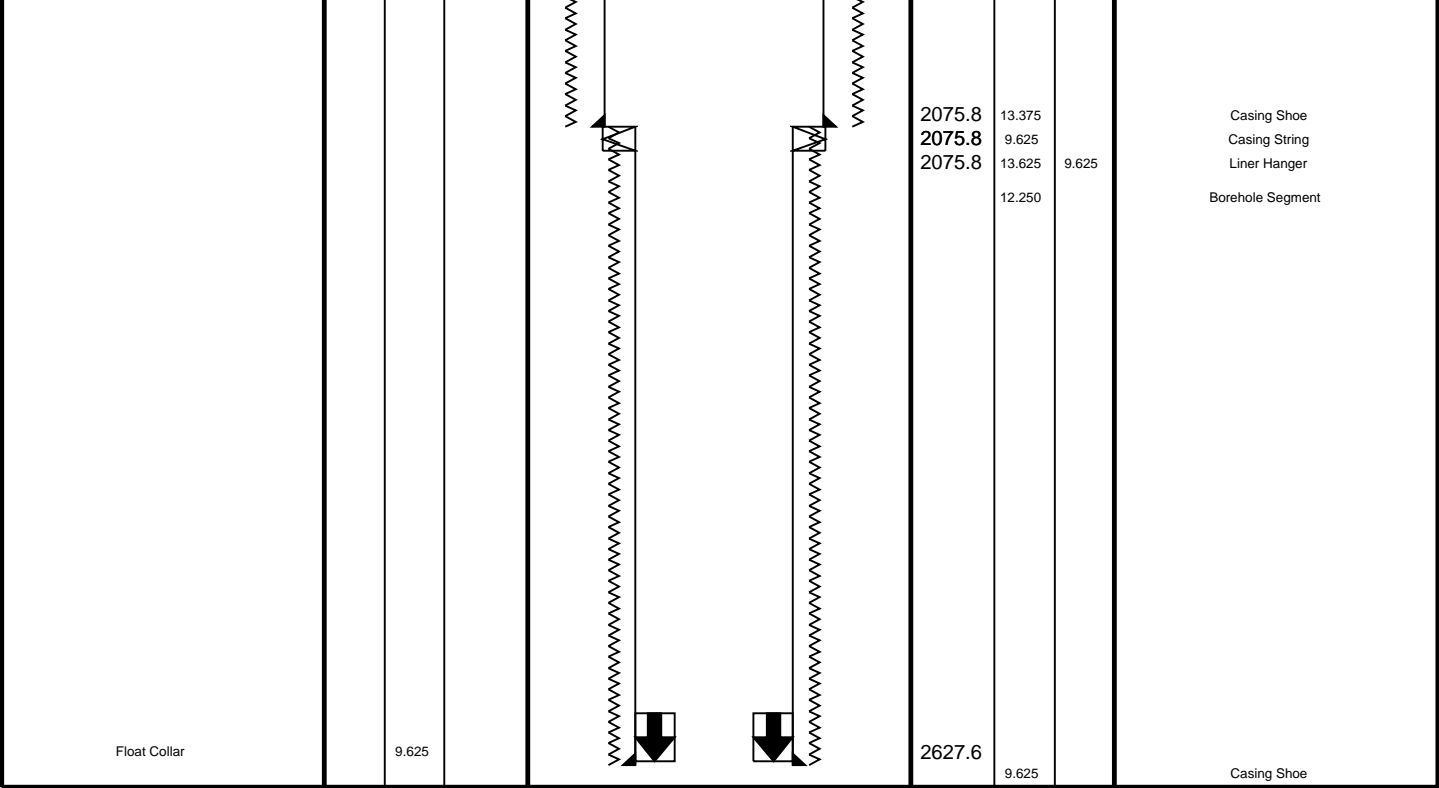
MAXIMUM STRING DIAMETER 2.00 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN METERS

Client: WoodSide Pty Ltd
Well: THA01
Field: Otway
State: Victoria
Country: Australia

Drawing Date: 5/19/2006
API #:

Rig Name: Maersk Guardian
Reference Datum: Mean Sea Level
Elevation: 50.5 ft

Production String	(in)		(ft)		Well Schematic	(ft)		(in)		Casing String
	OD	ID	MD	MD		OD	ID			
						0.0	13.375 17.500		Borehole Segment Casing String	



Job Events Summary

MAXIS Field Log

Schlumberger Job Event Summary

Time	Elapsed Time	Depth (M)	File
Rig Up Started	19-May-2006 9:00		
Log Pass (up)	19-May-2006 11:24	000:57	2595.7 – 1995.5 PERFO_015LUP
Tagged bottom and logged up to liner top			
Log Pass (up)	19-May-2006 12:33	001:44	1647.6 – -2.0 PERFO_017LUP
Logged from 1600m MDKB as requested			
Rig Down Completed	19-May-2006 14:30		

Company: WoodSide Energy PTY LTD.

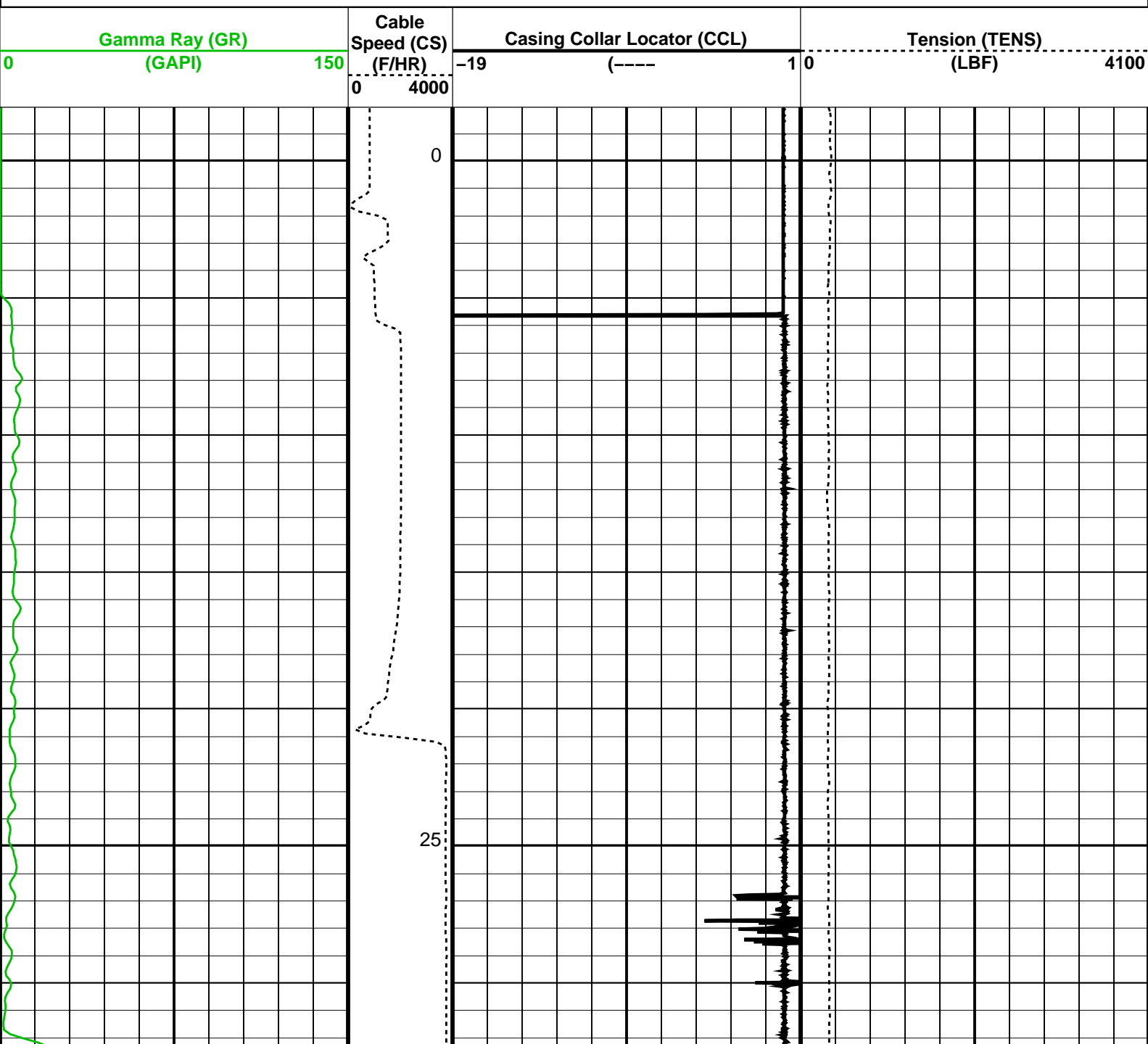
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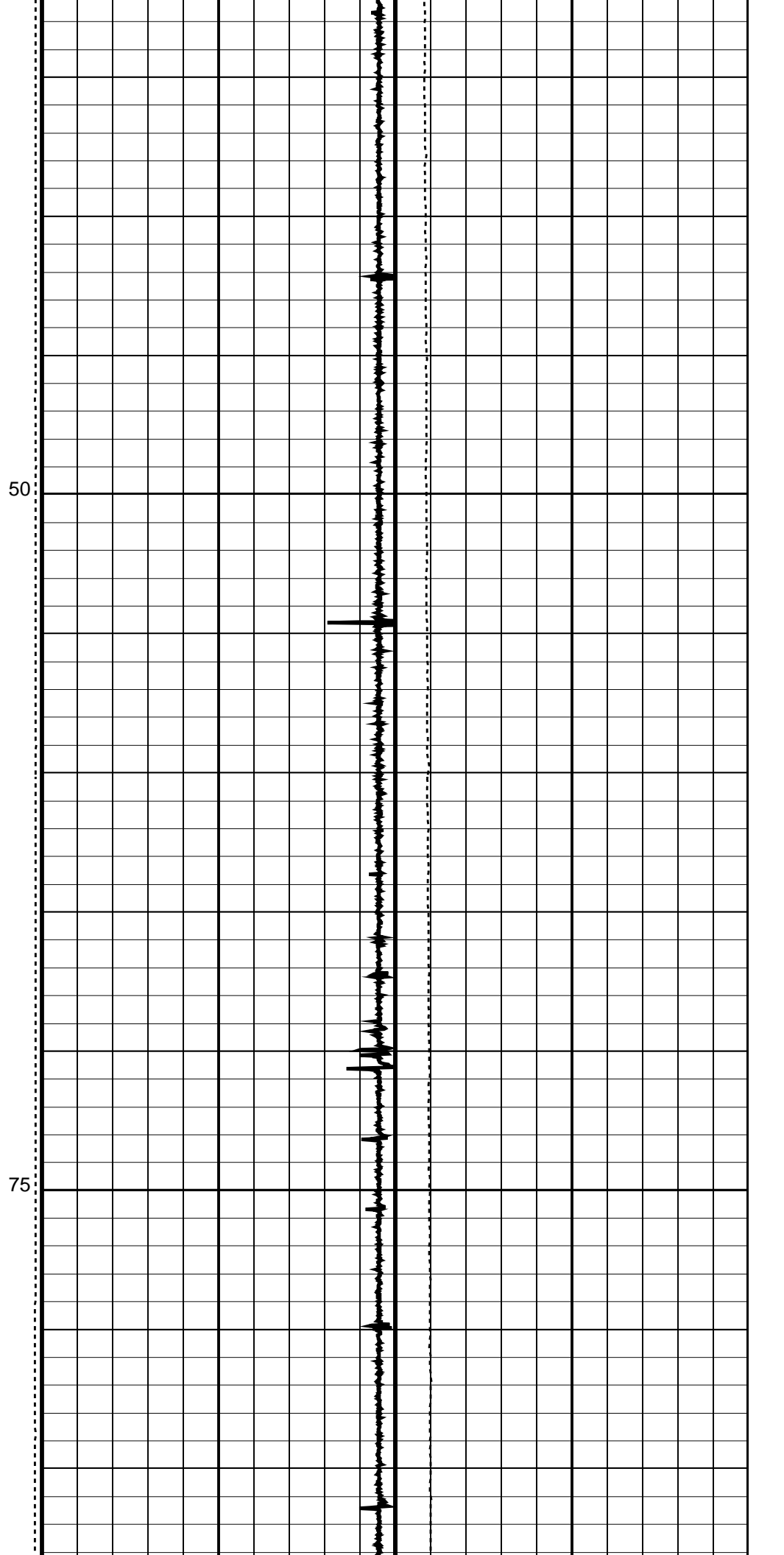
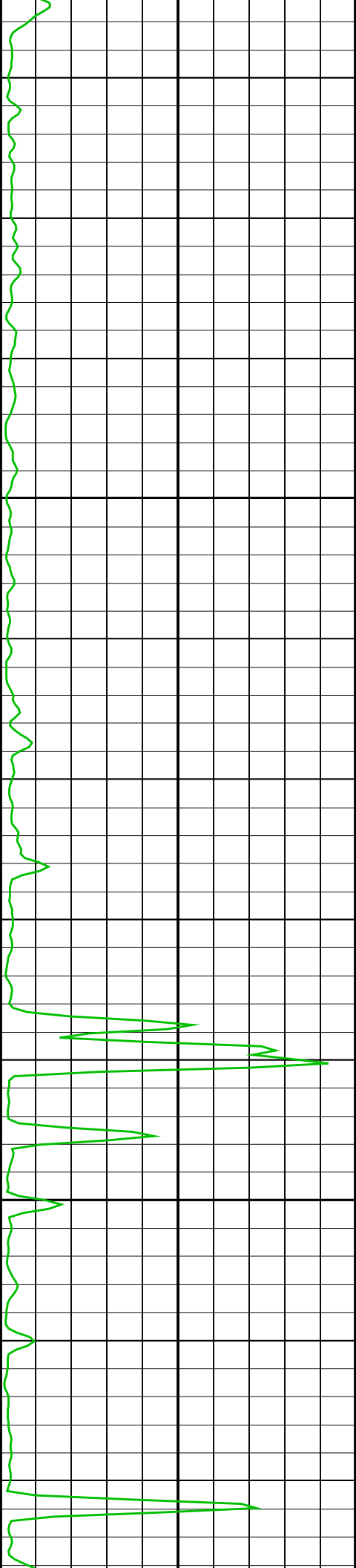
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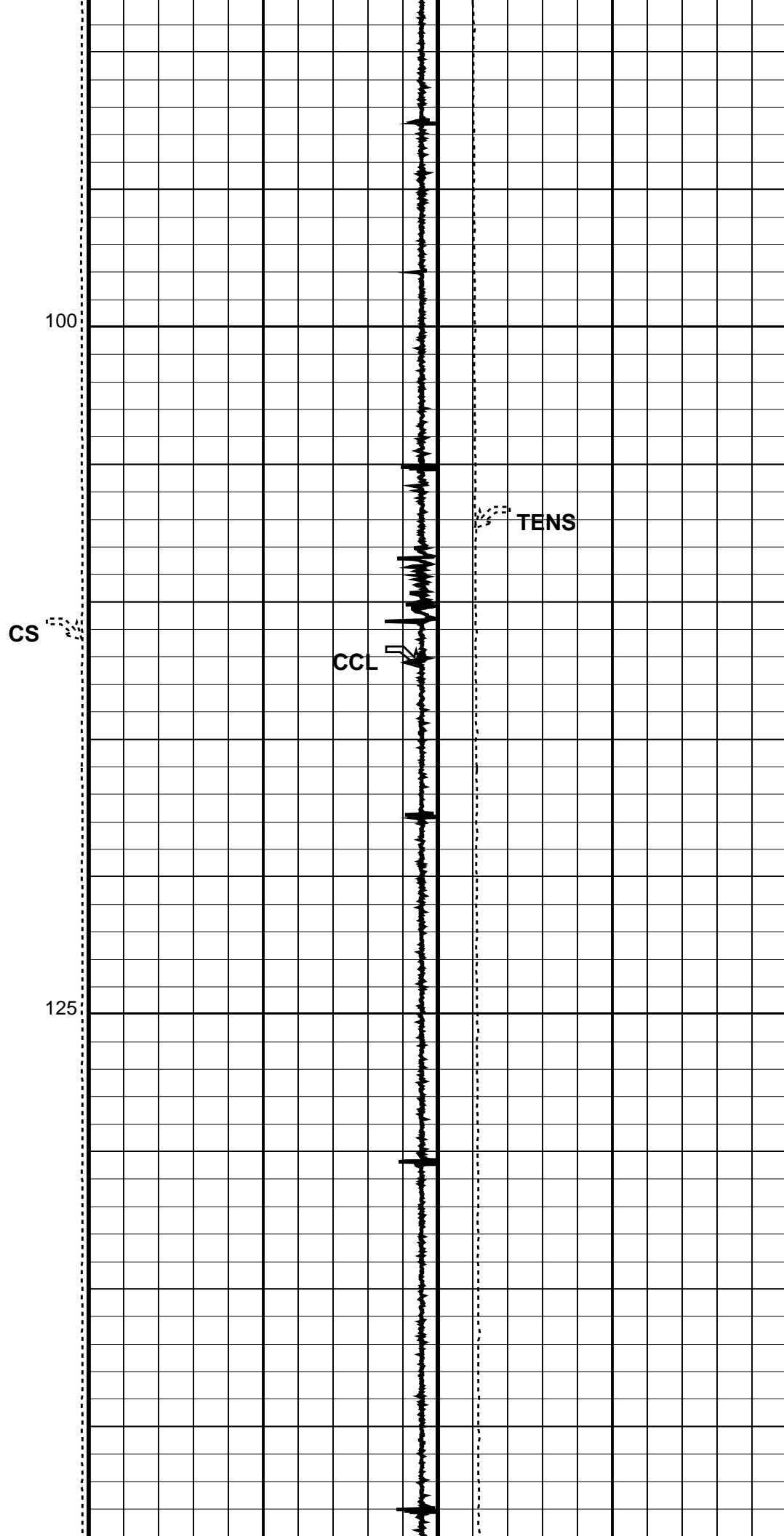
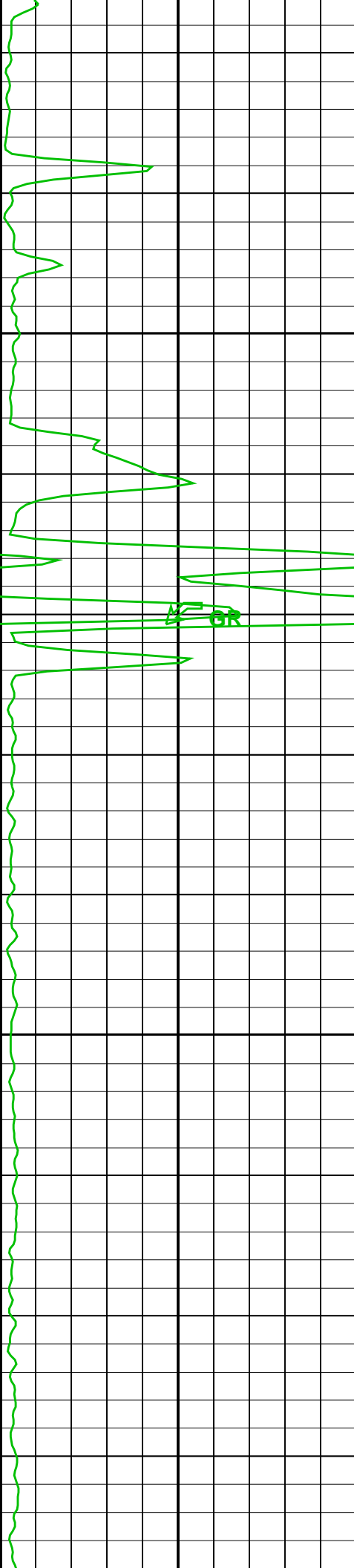
DEFAULT PERFO_017LUP FN:16 PRODUCER 19-May-2006 12:33 1647.6 M -2.0 M

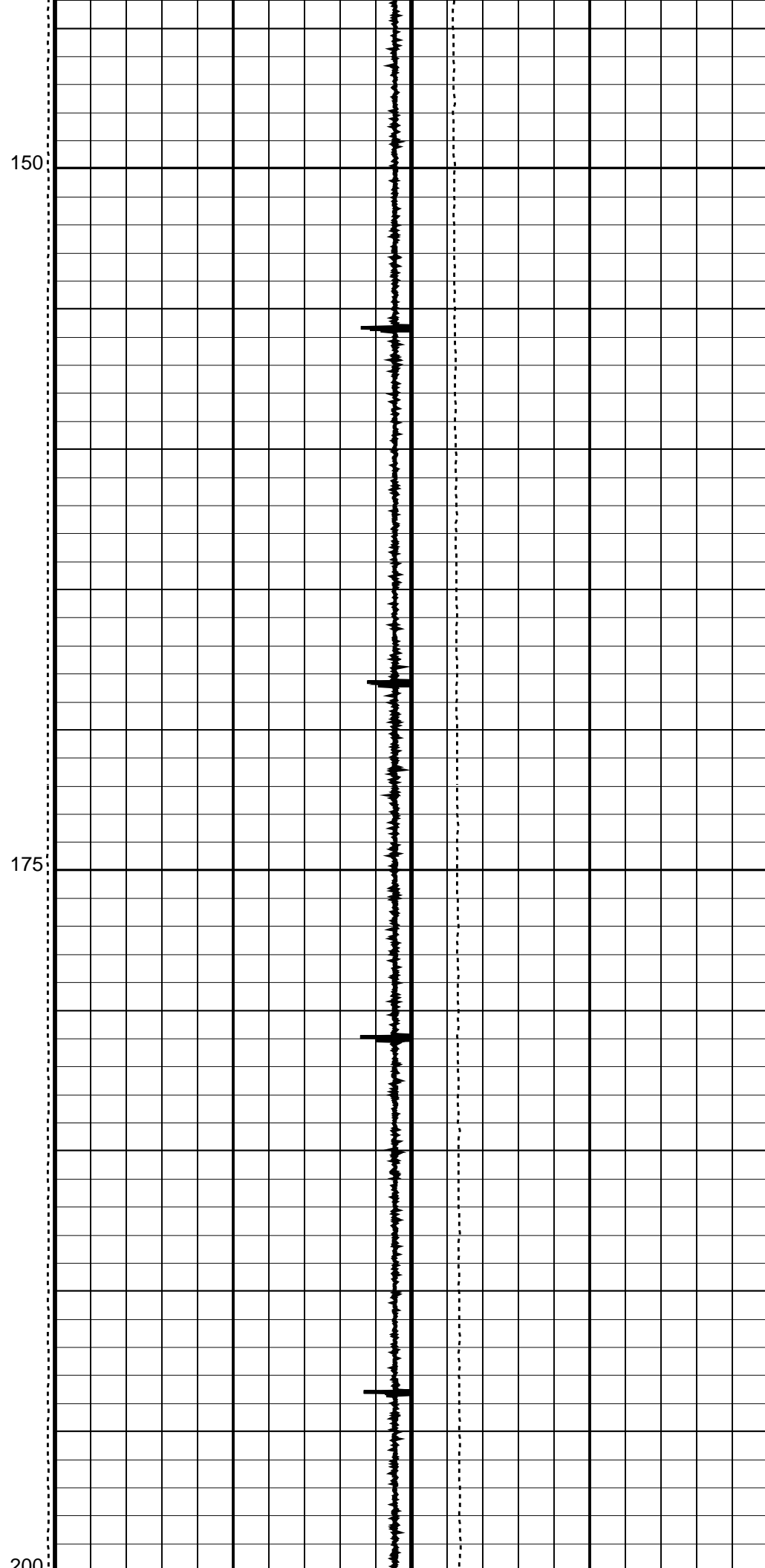
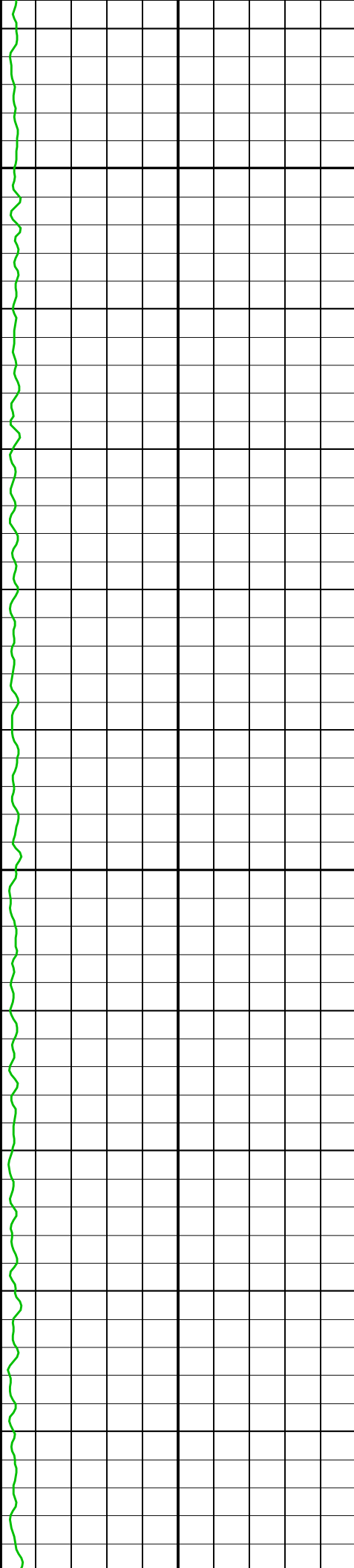
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MCM

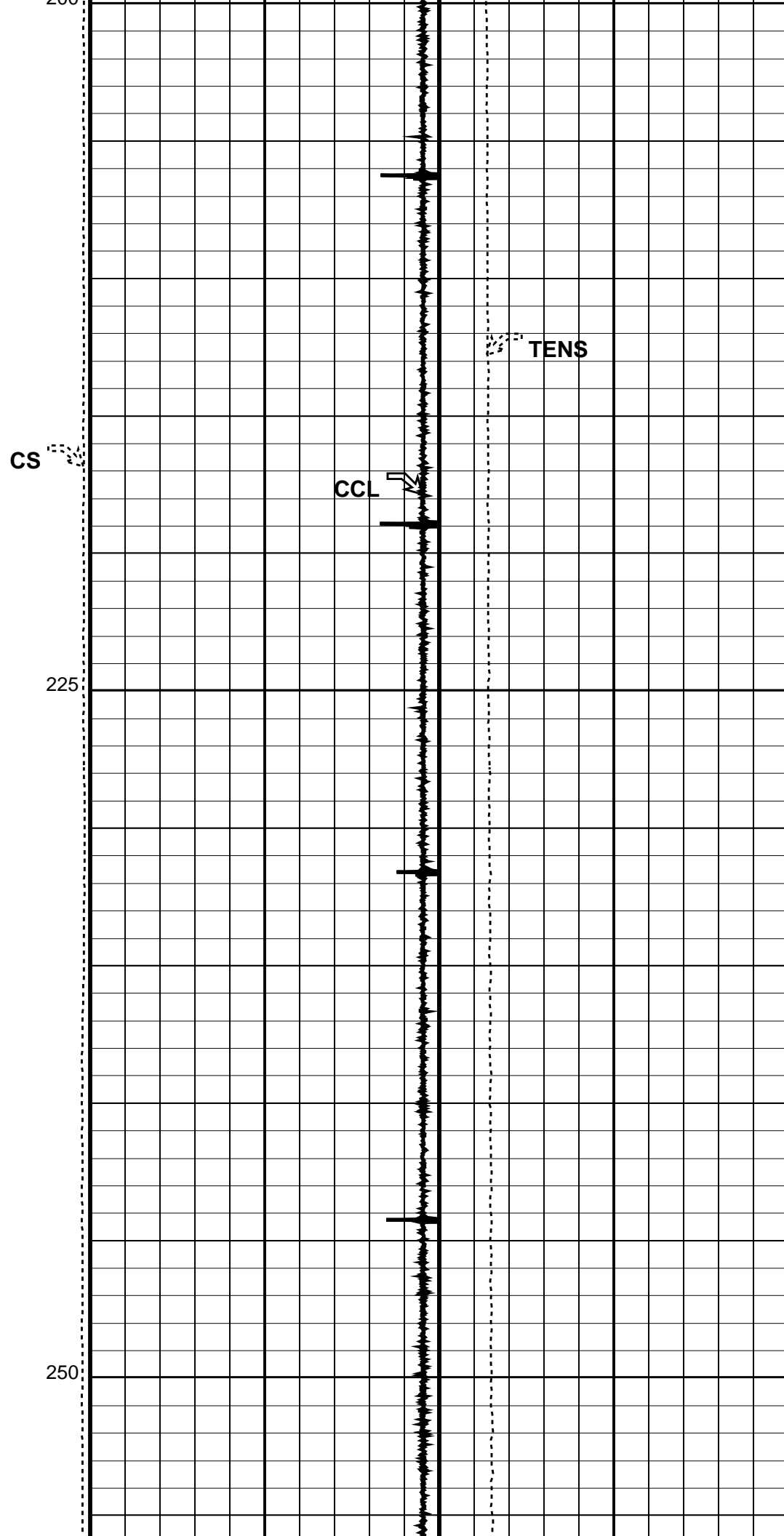
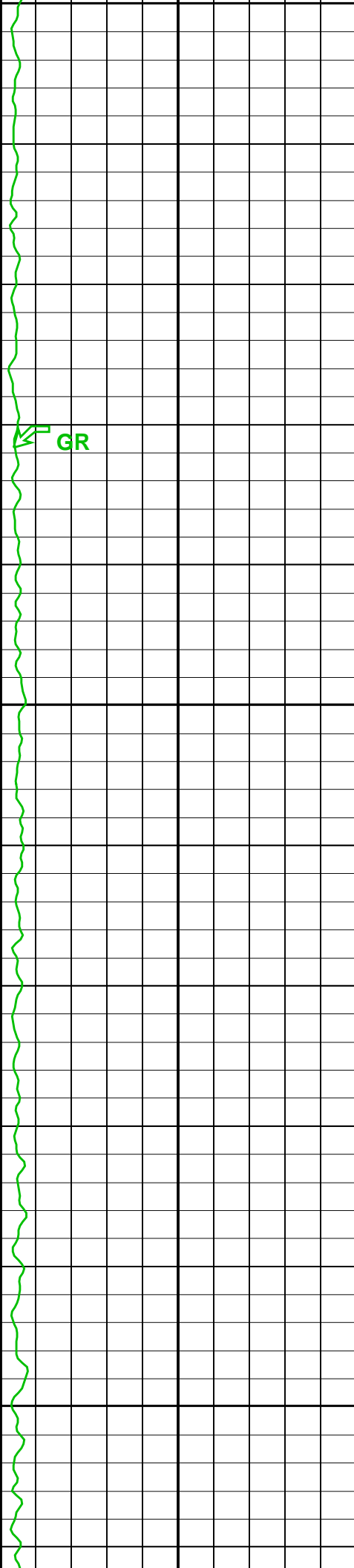
PGGT-C unofficial SHM_GUN unofficial

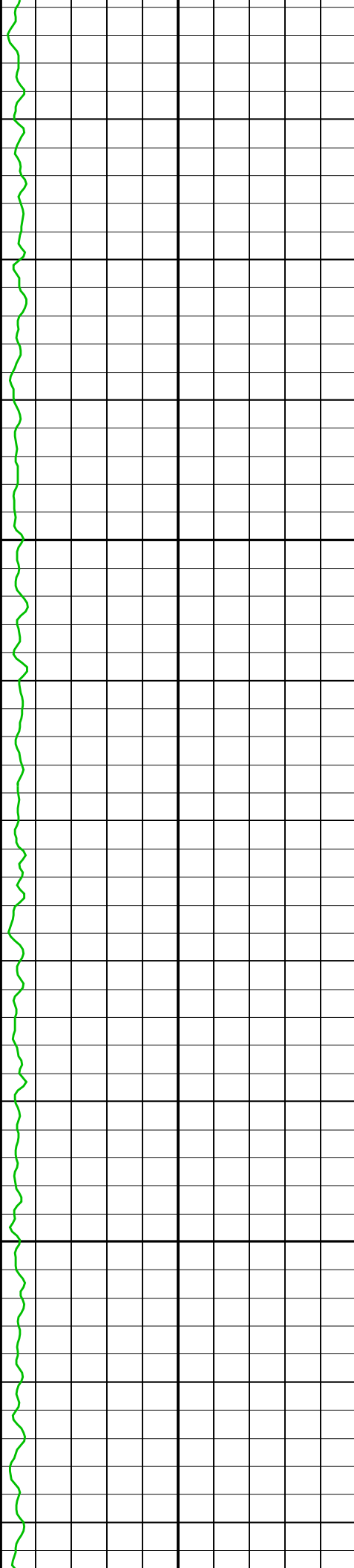






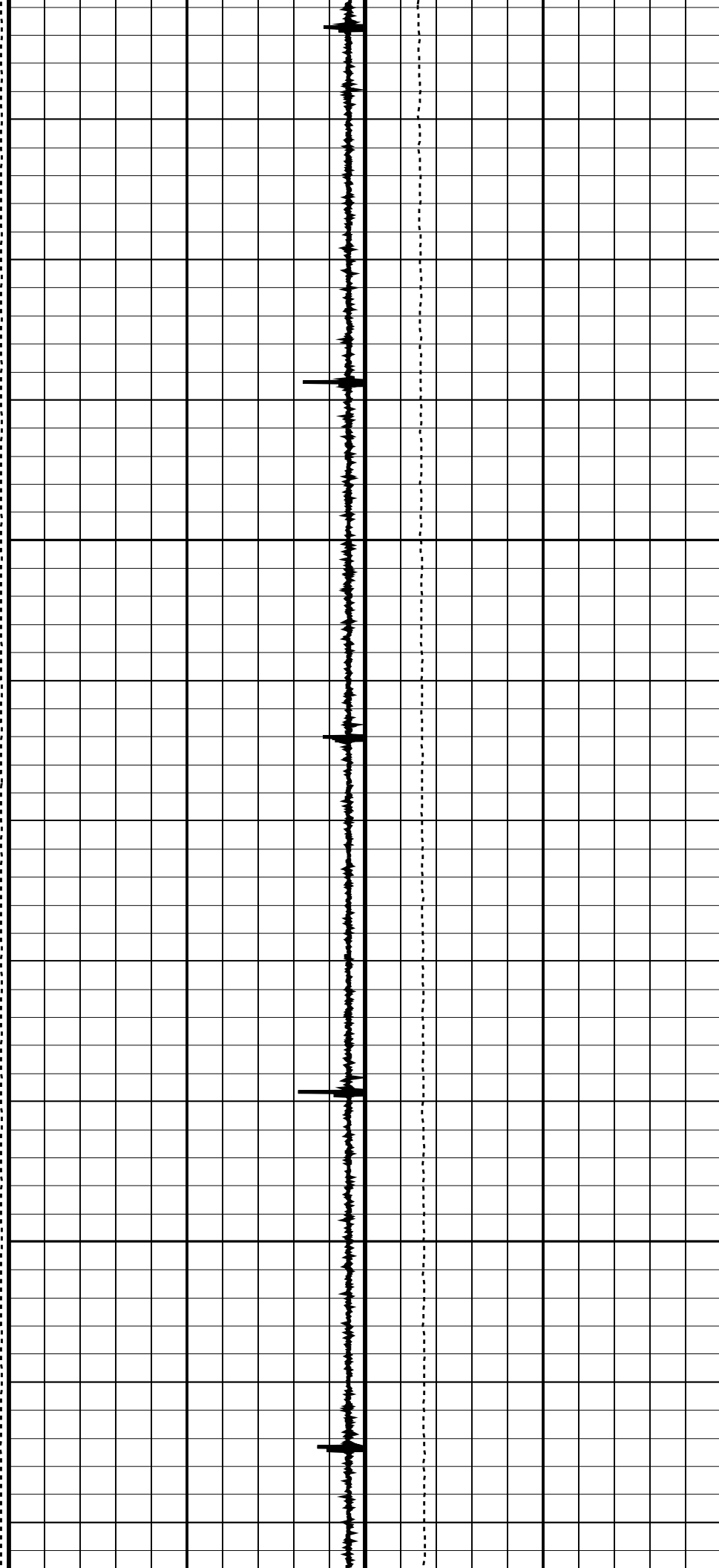


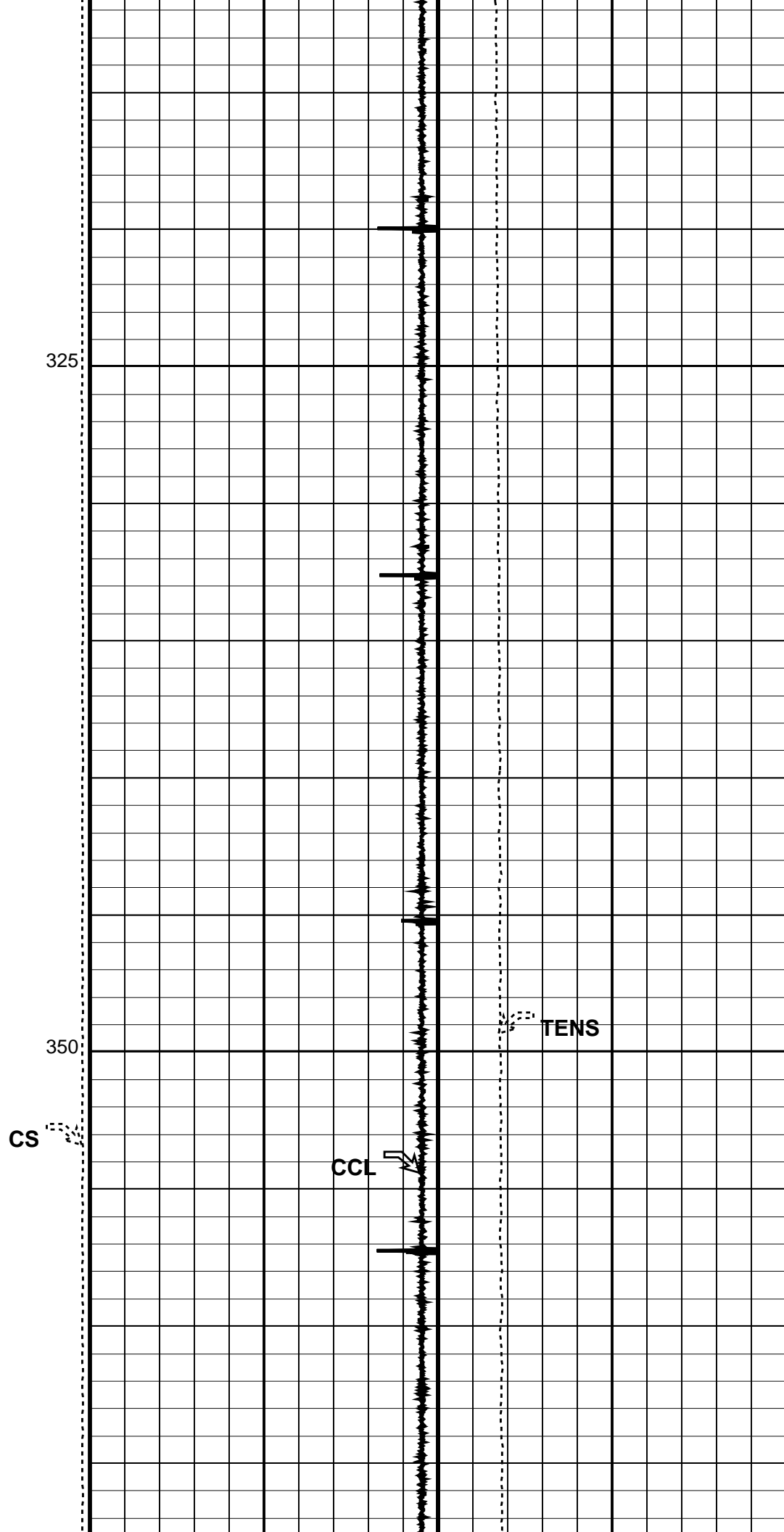
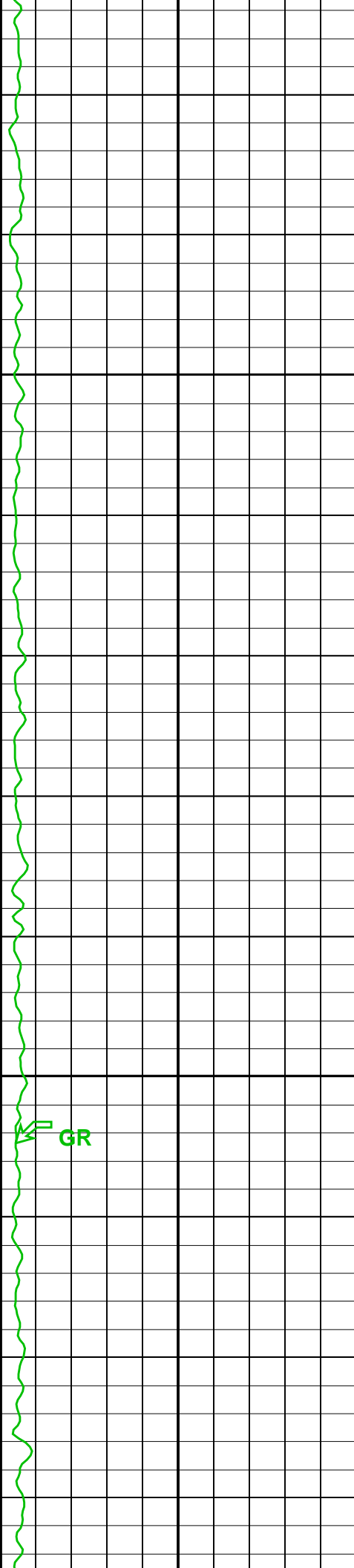


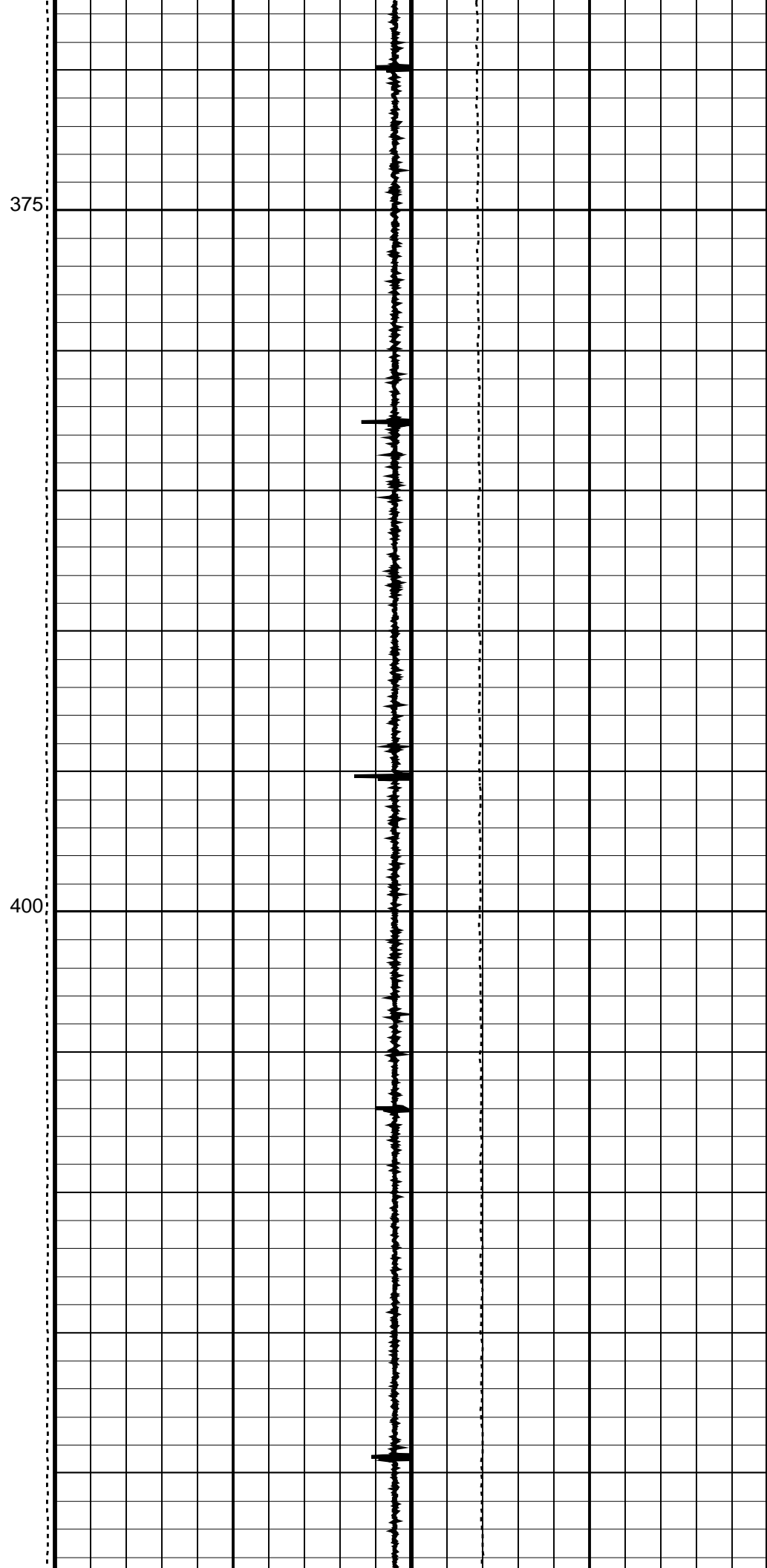
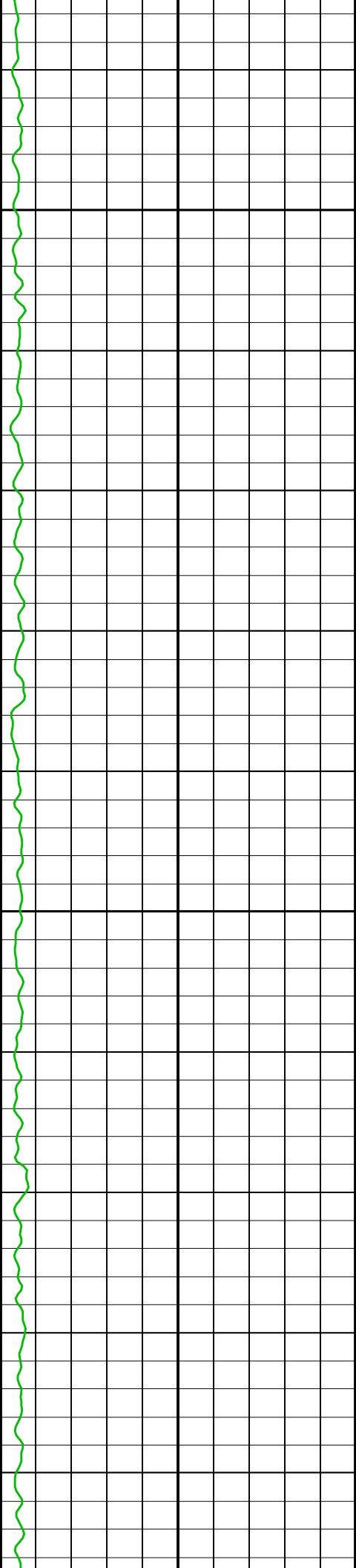


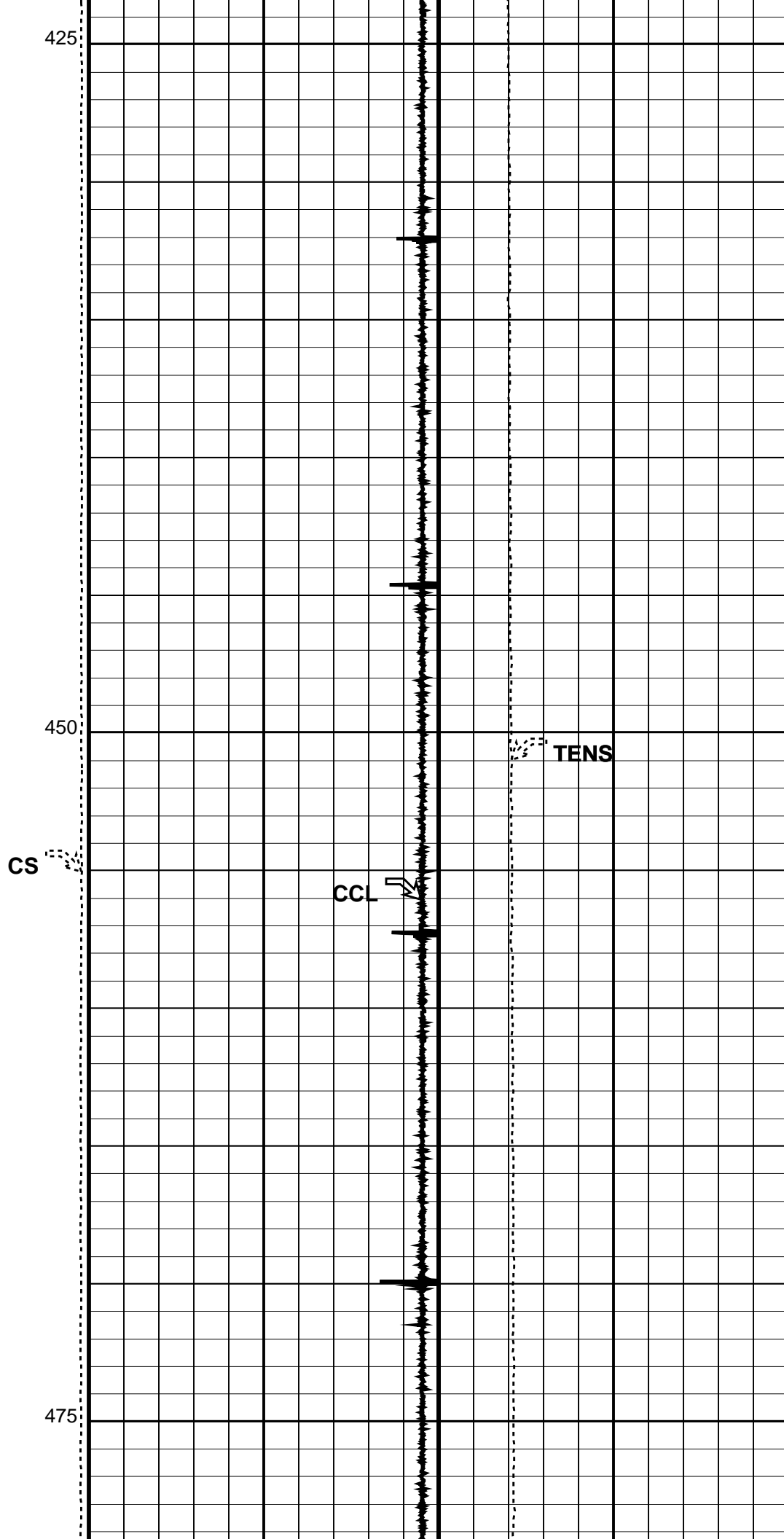
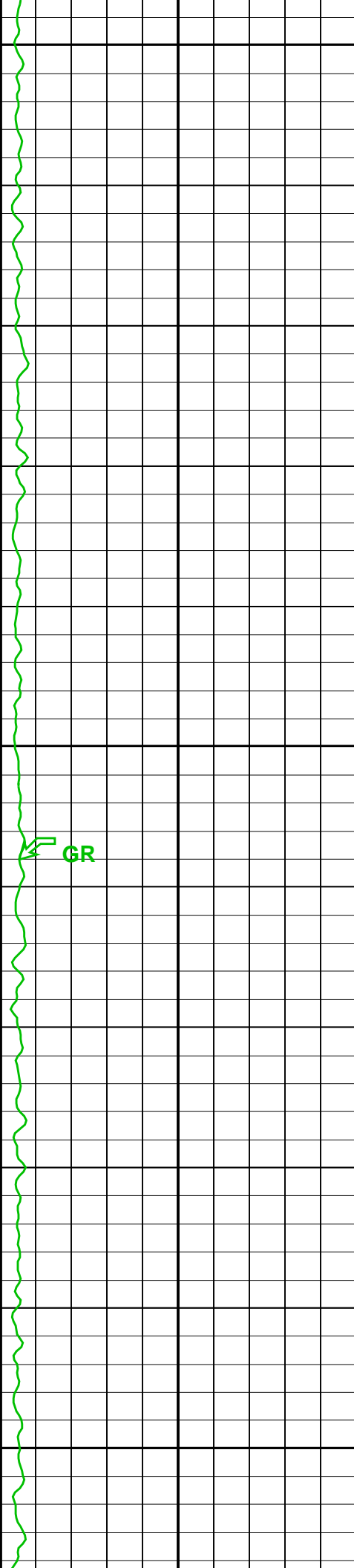
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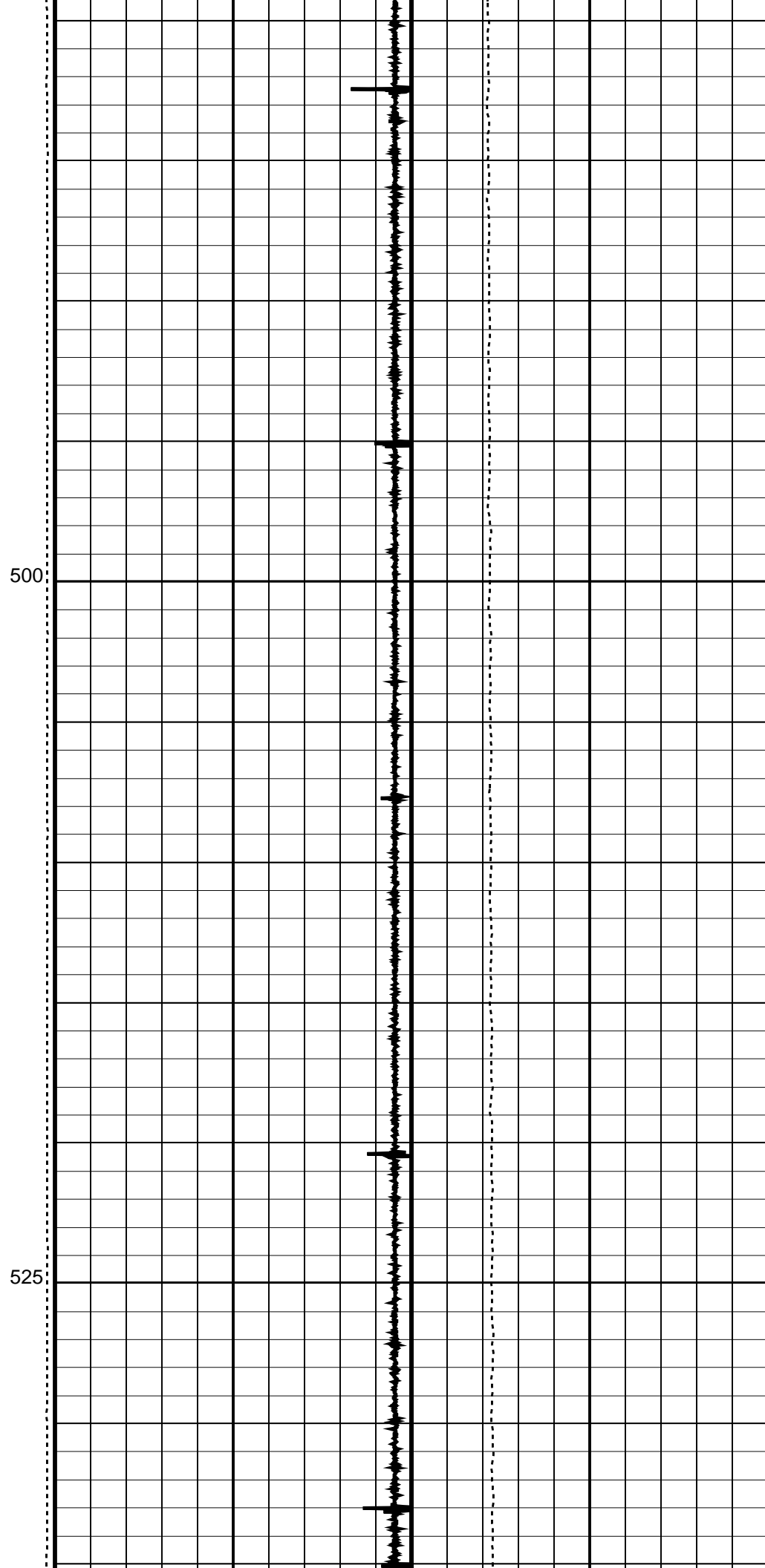
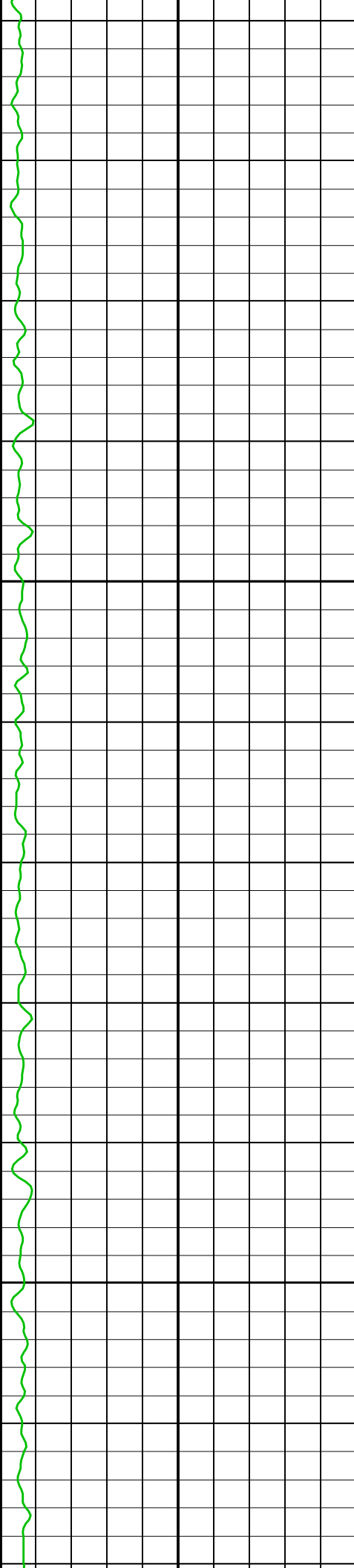
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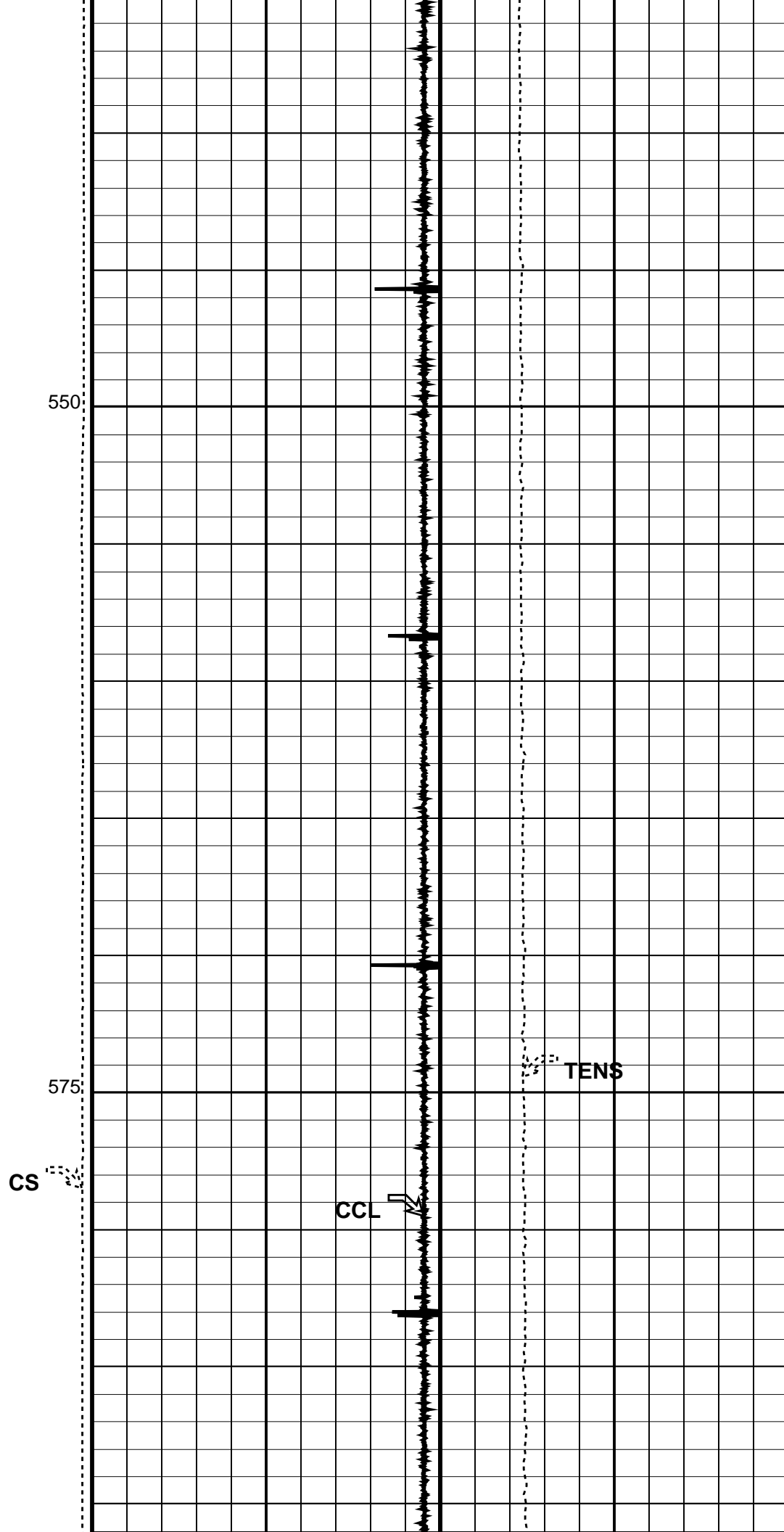
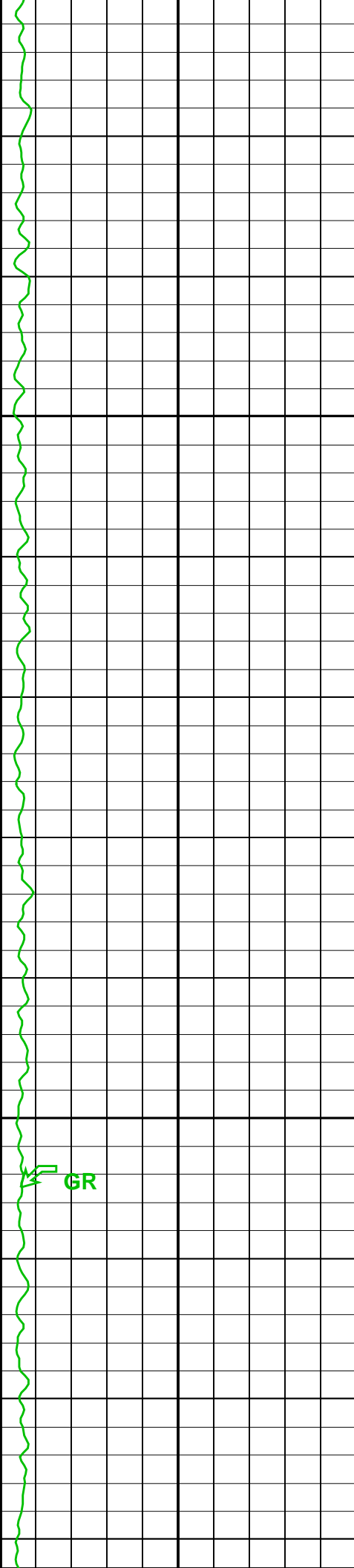


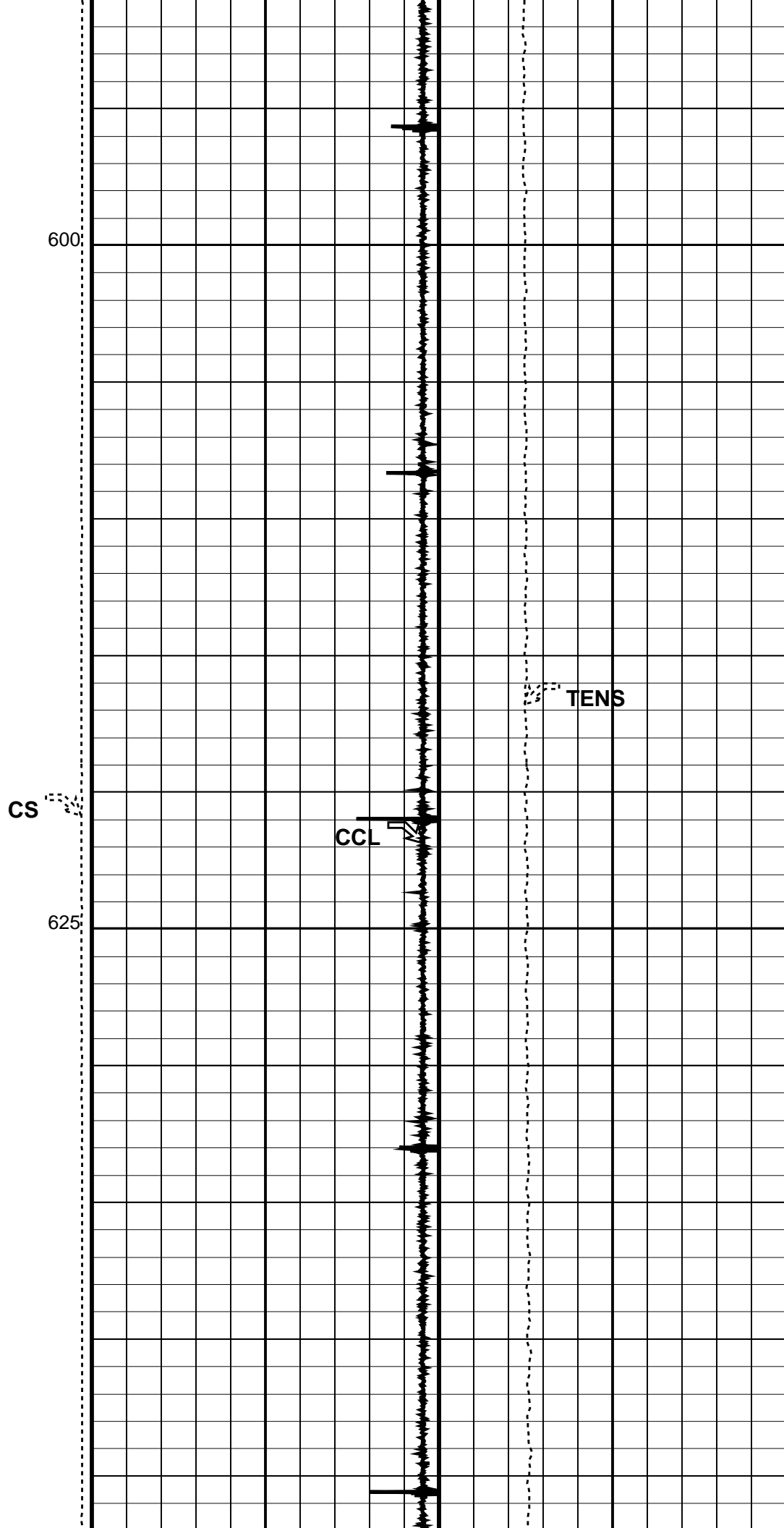
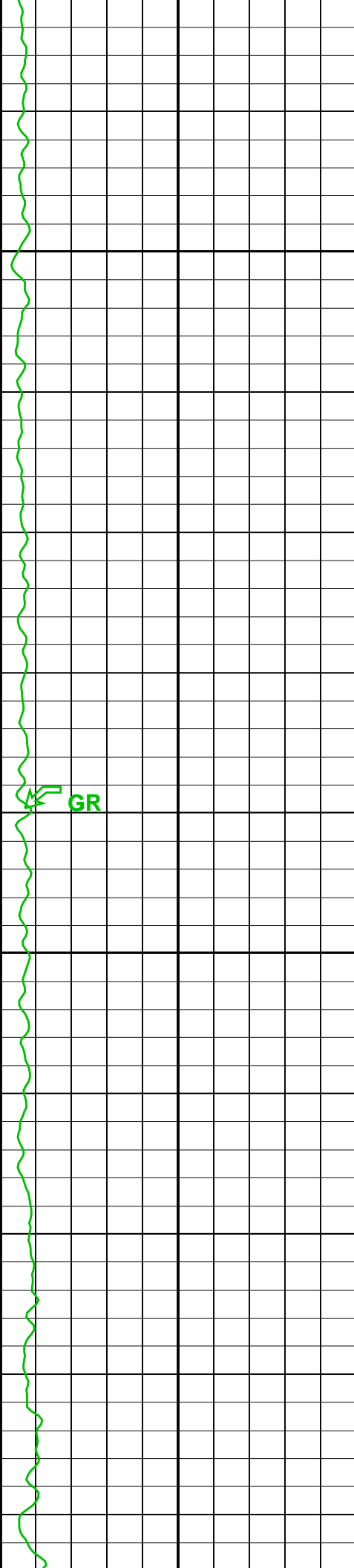










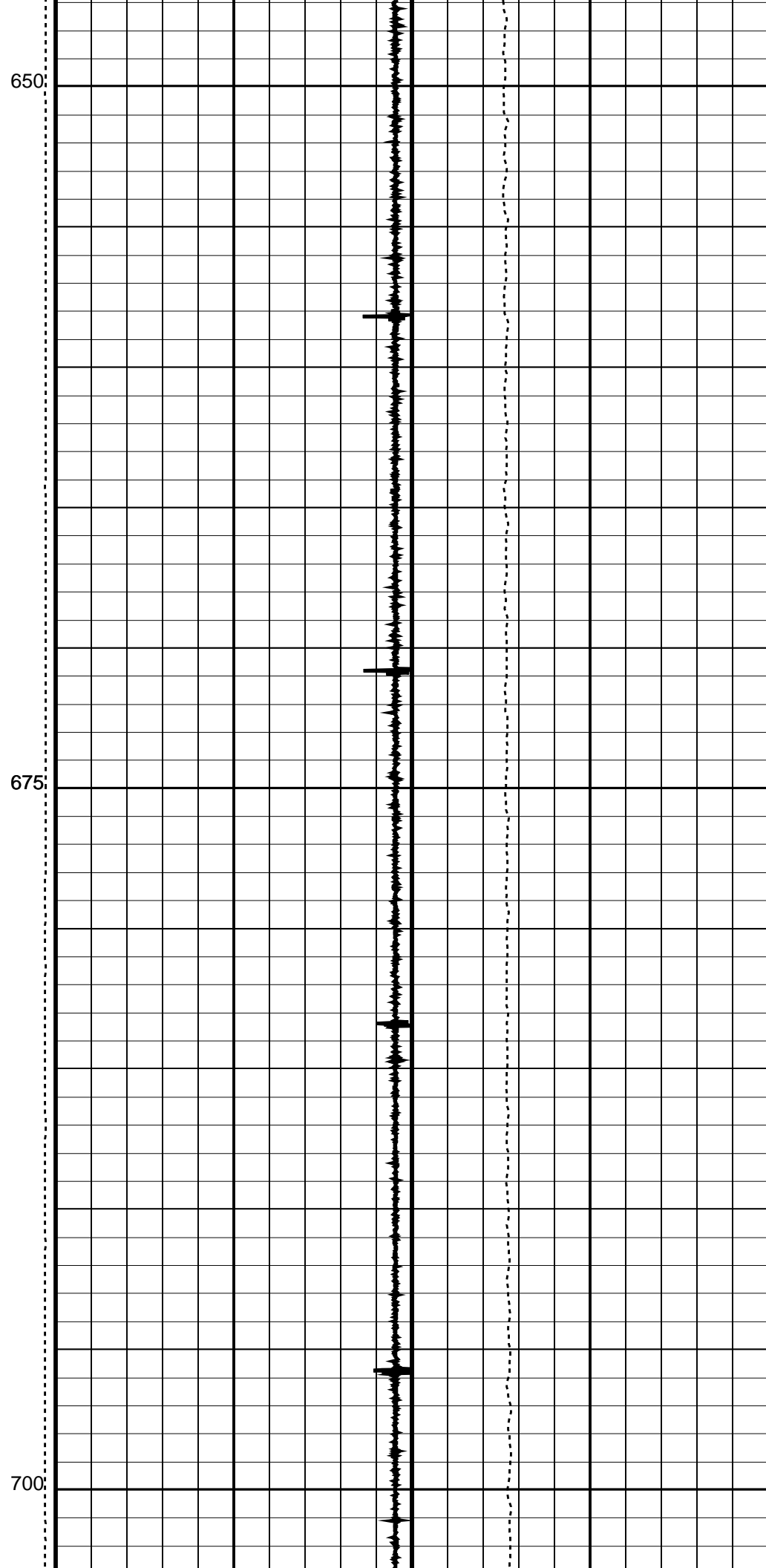
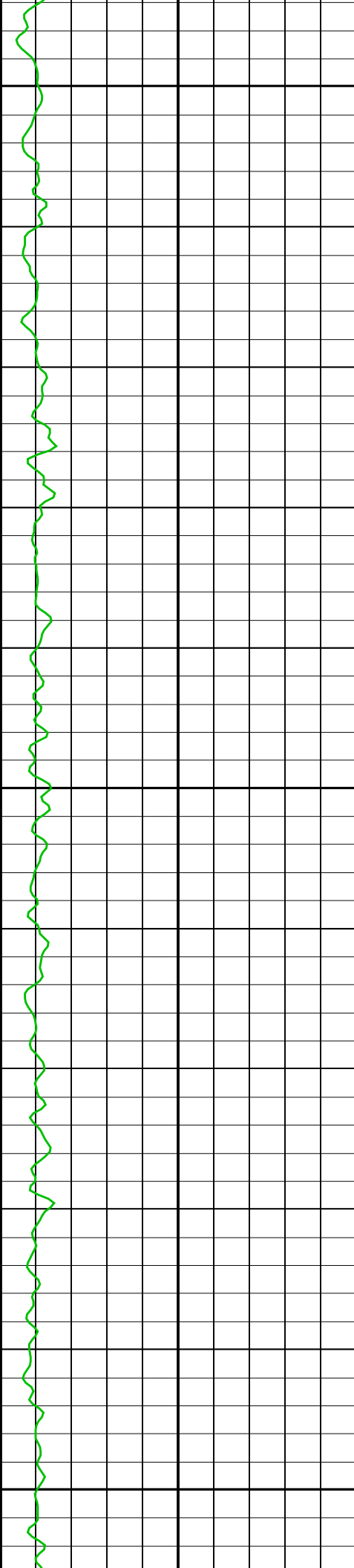


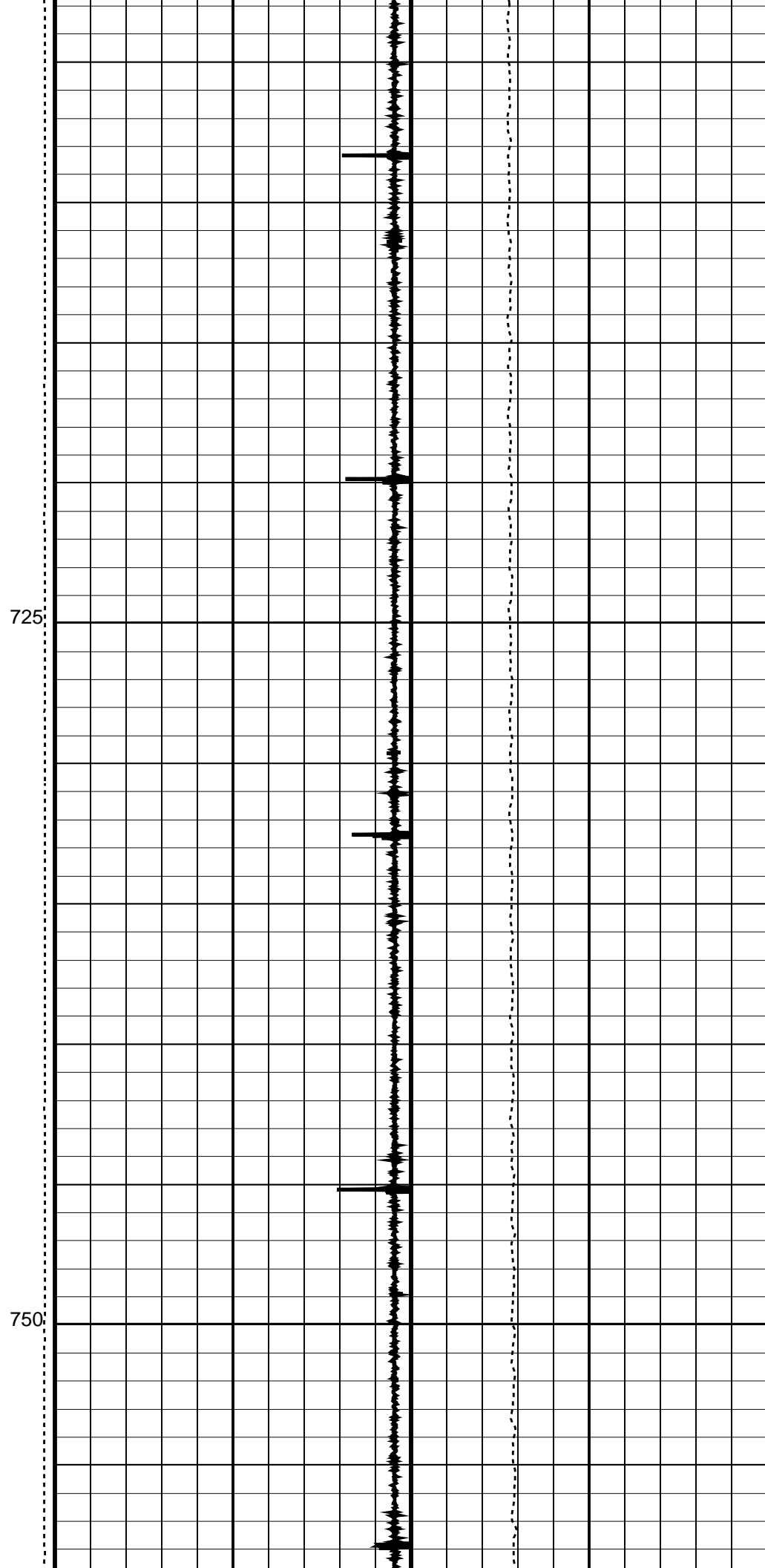
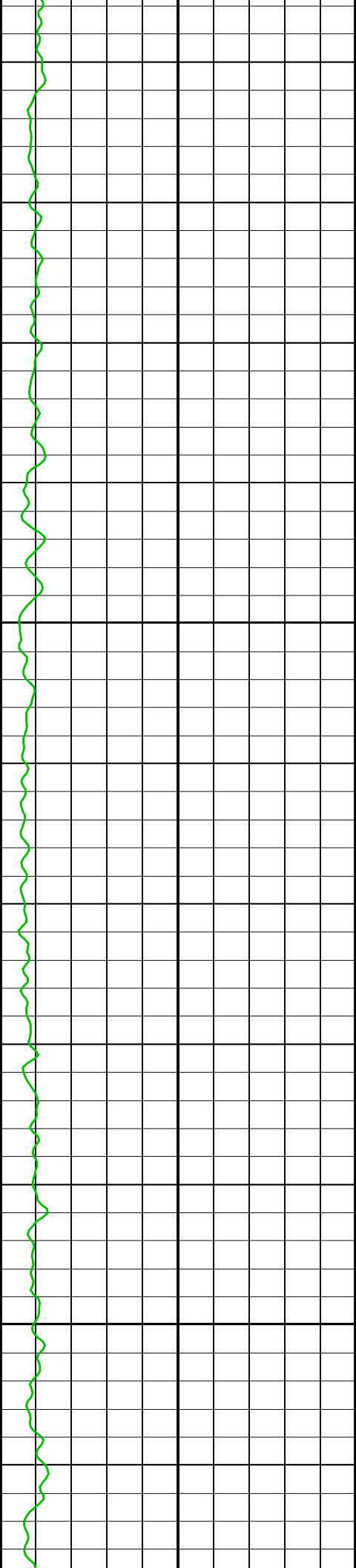
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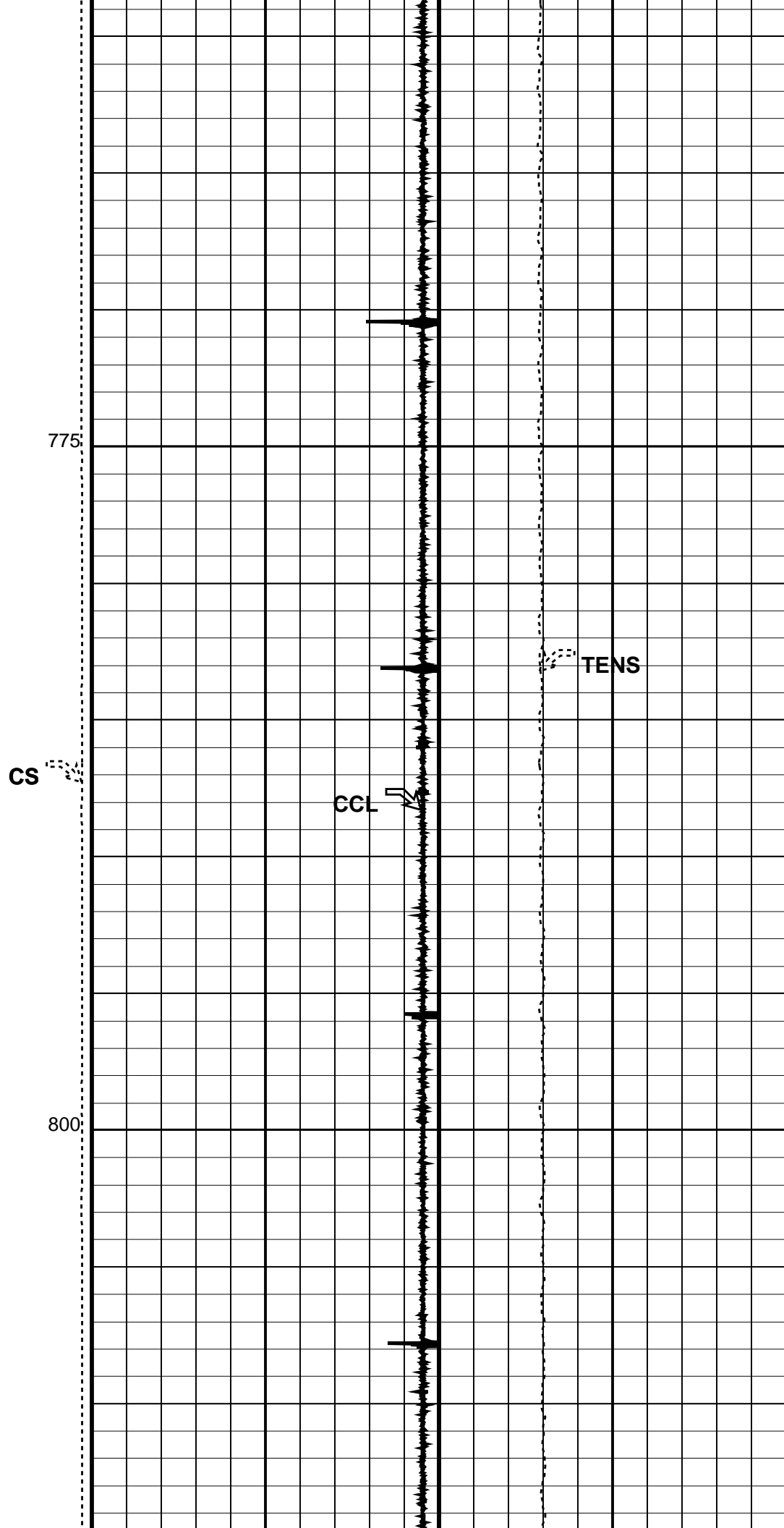
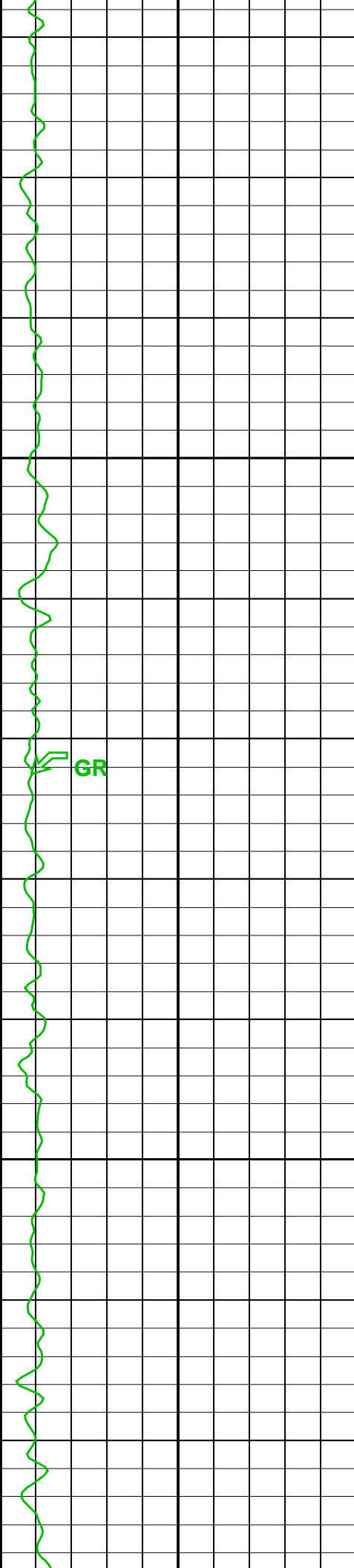
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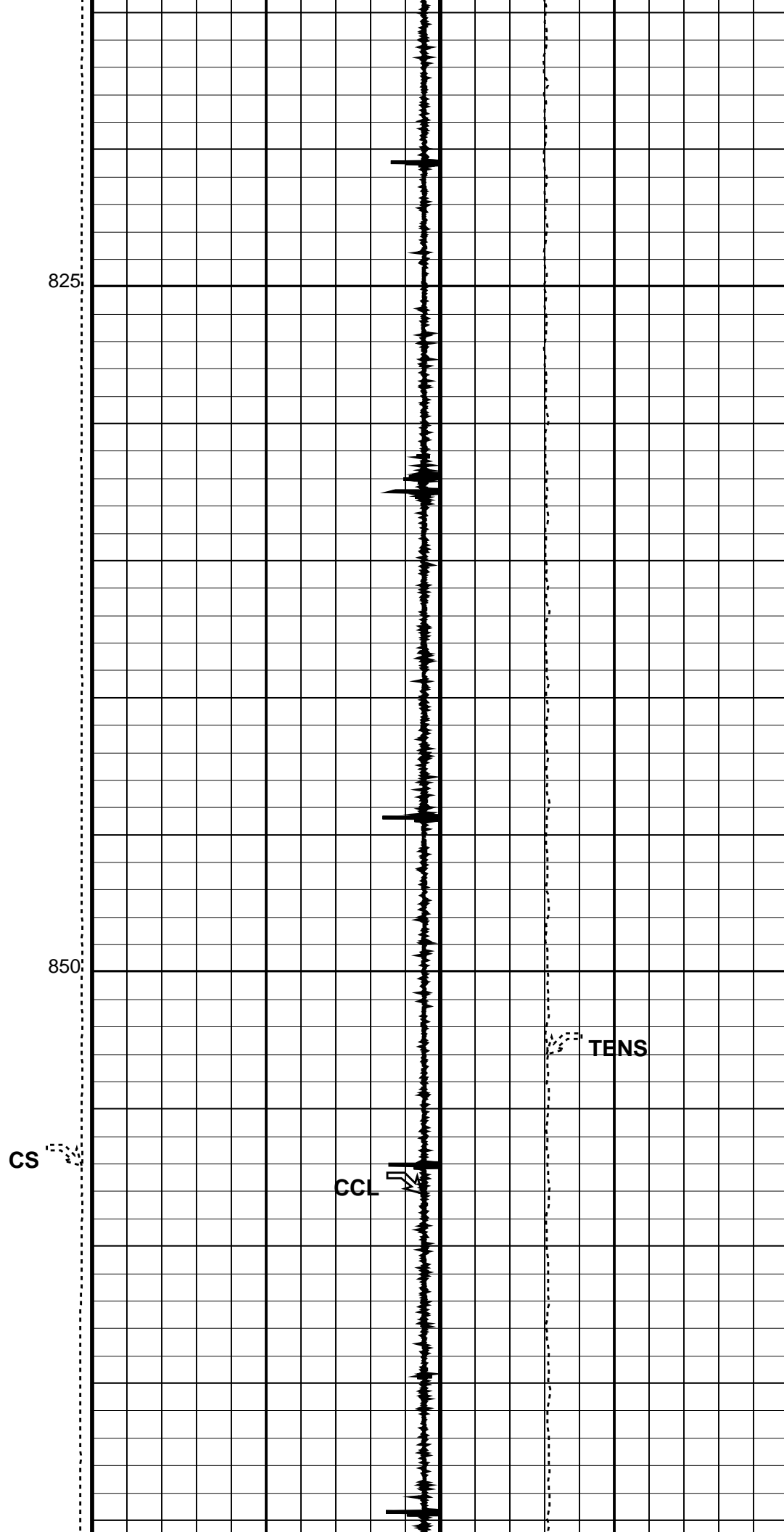
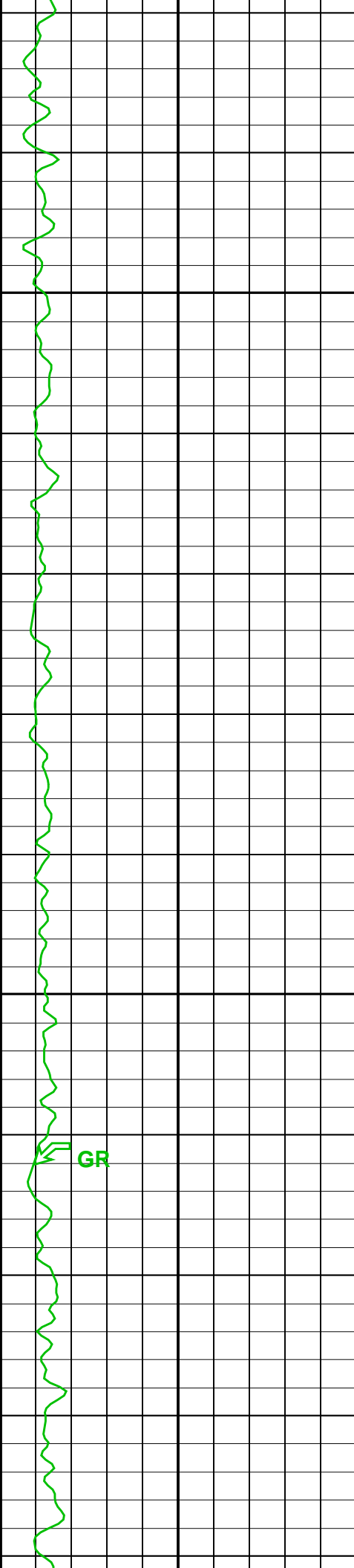
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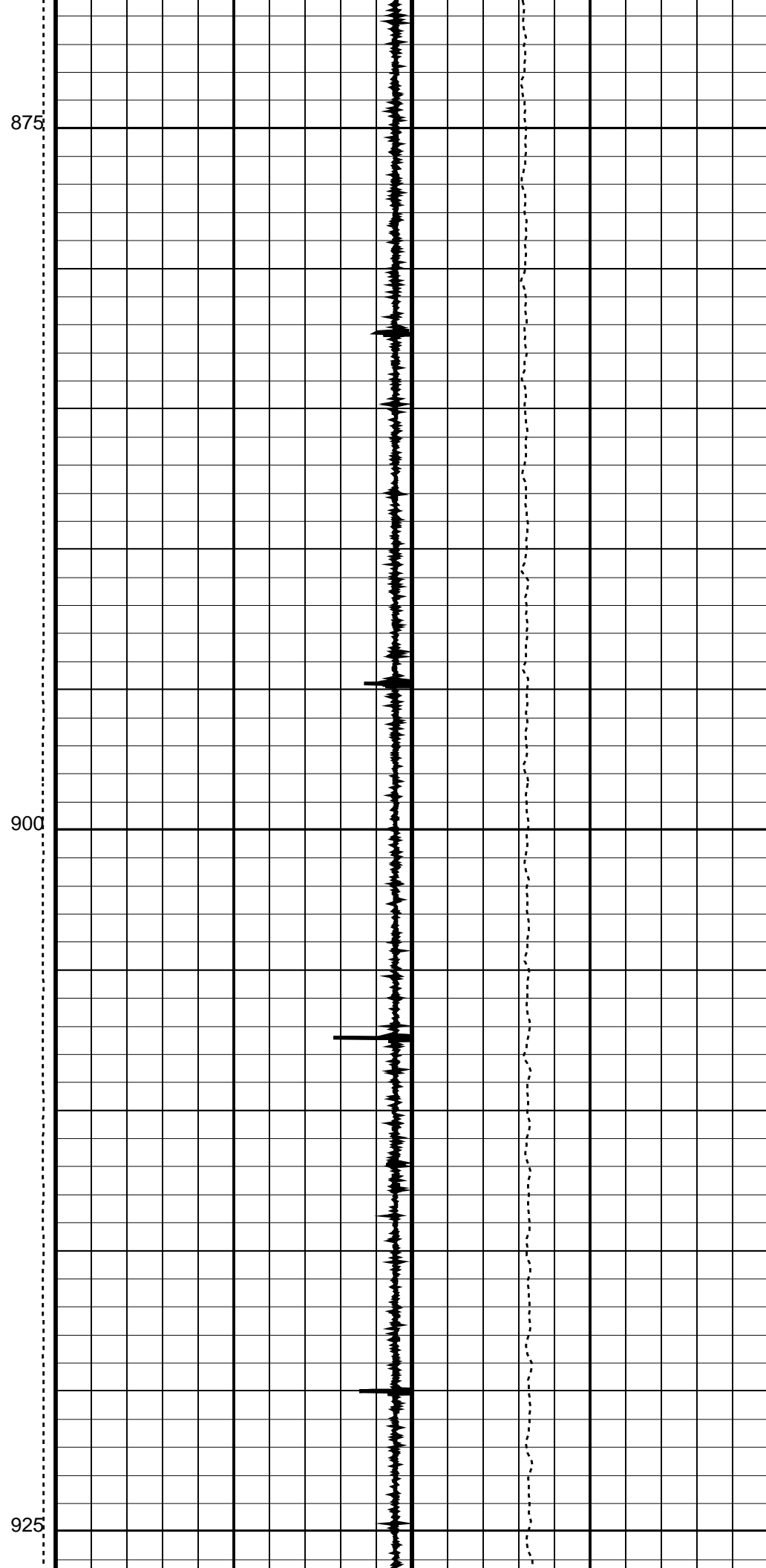
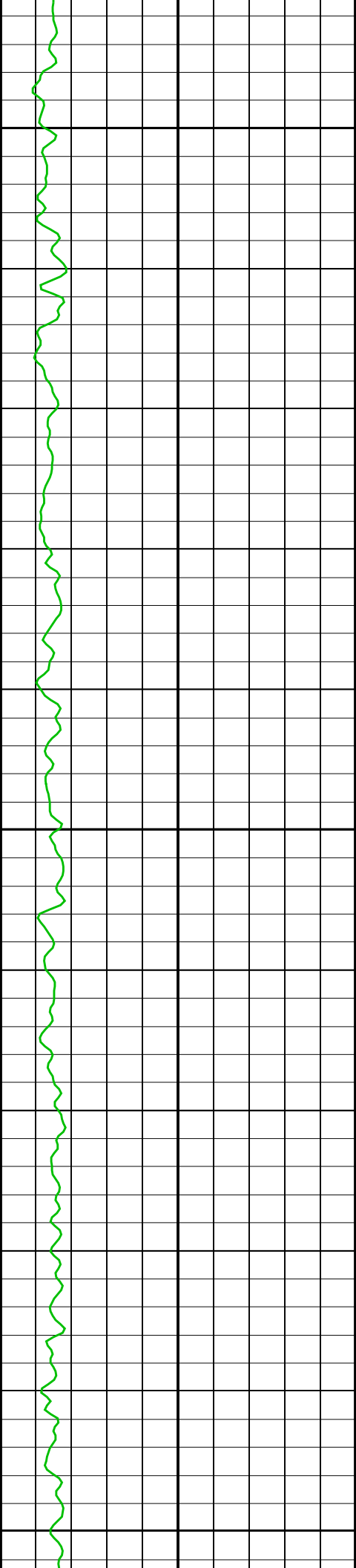
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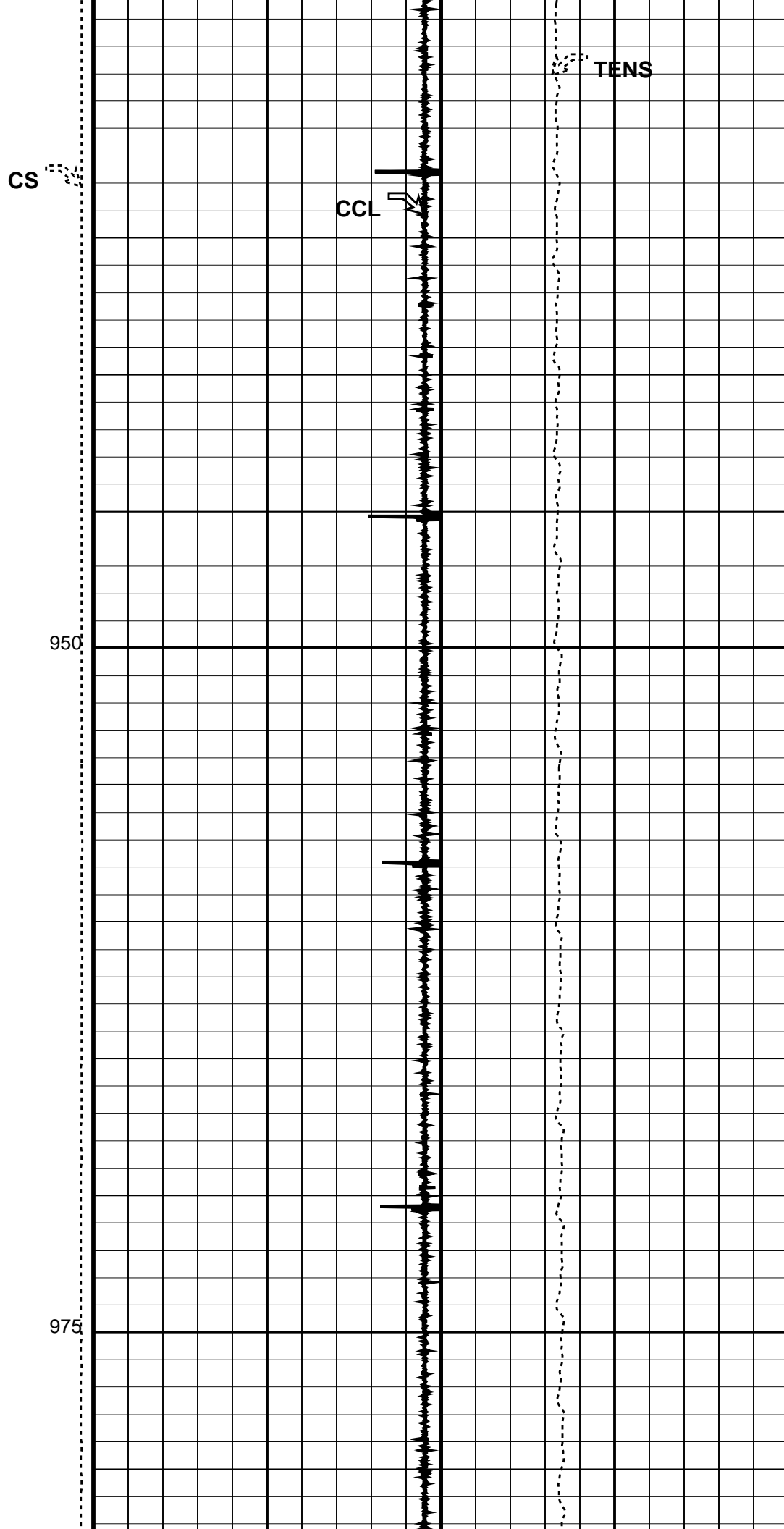
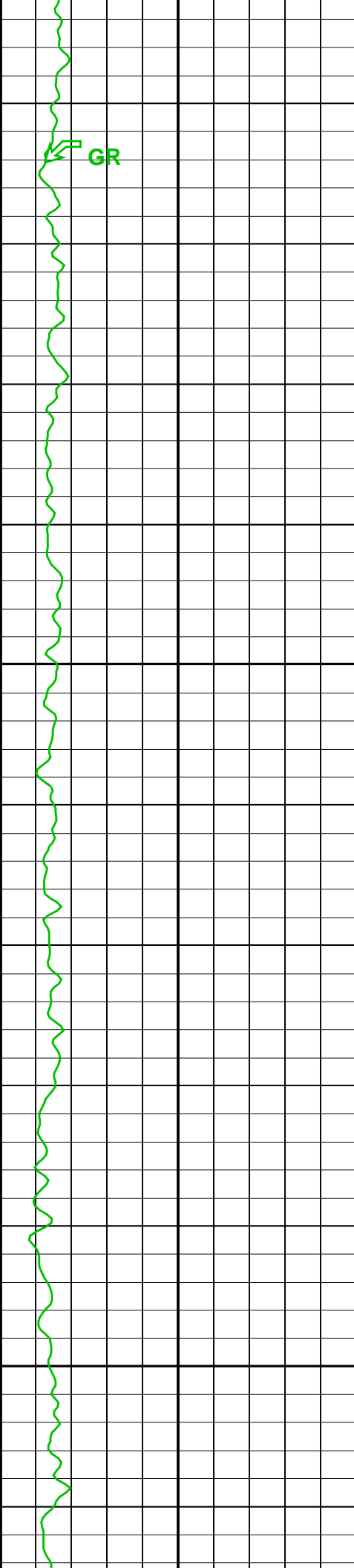


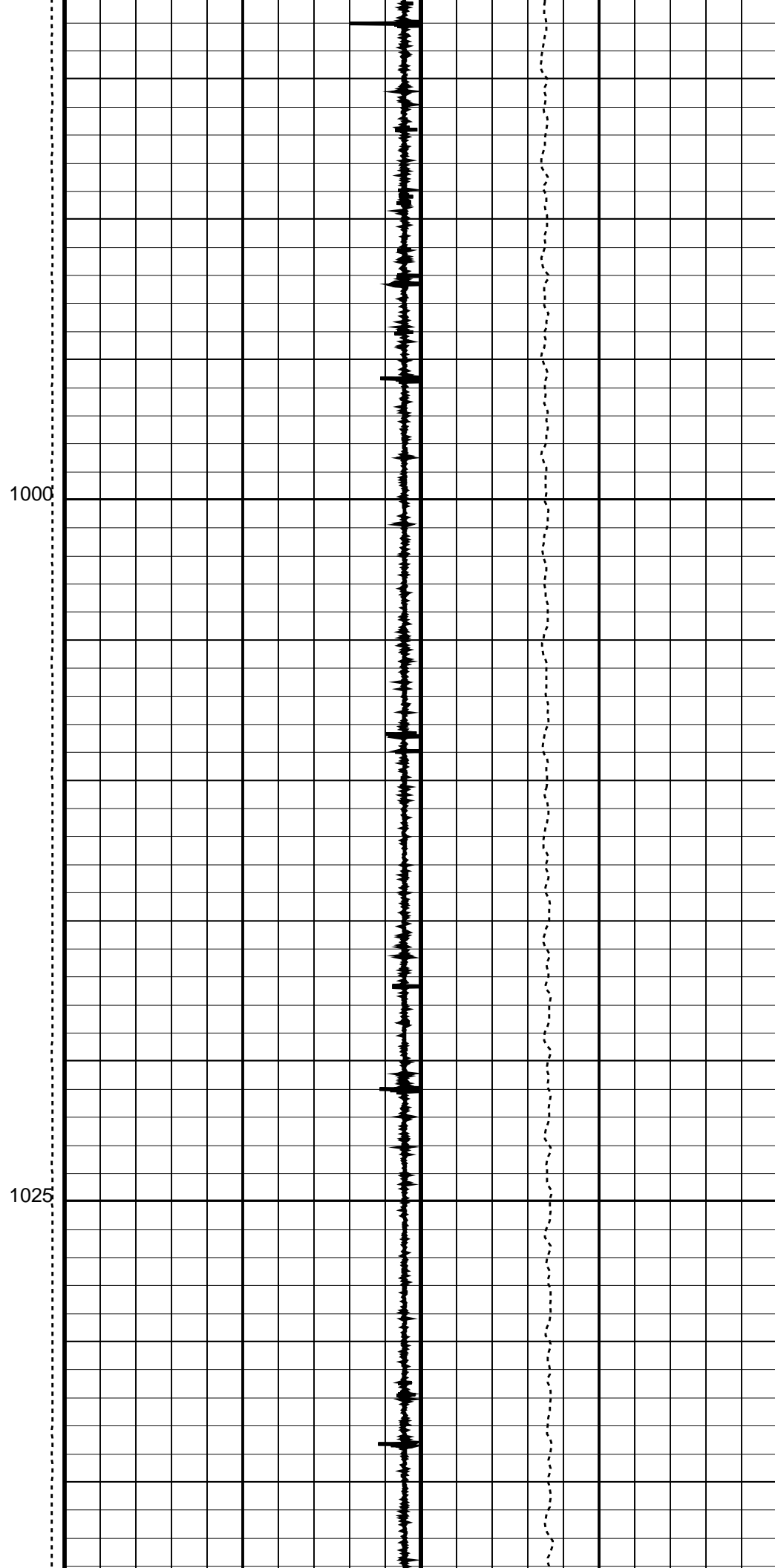
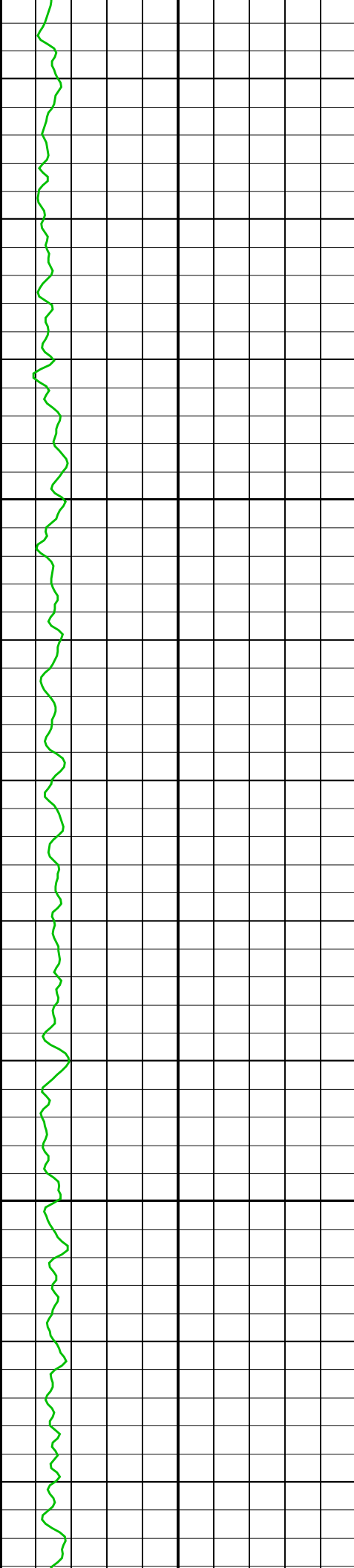


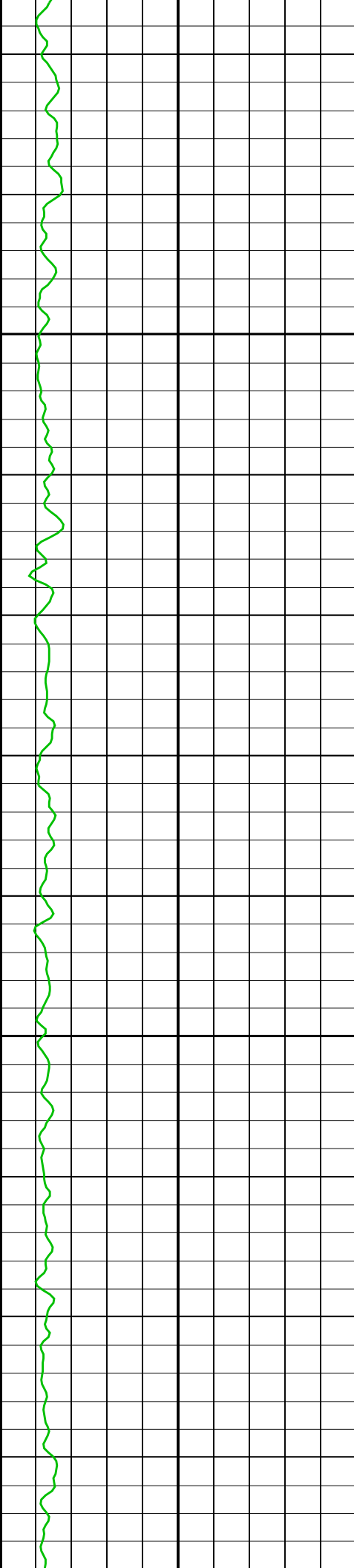






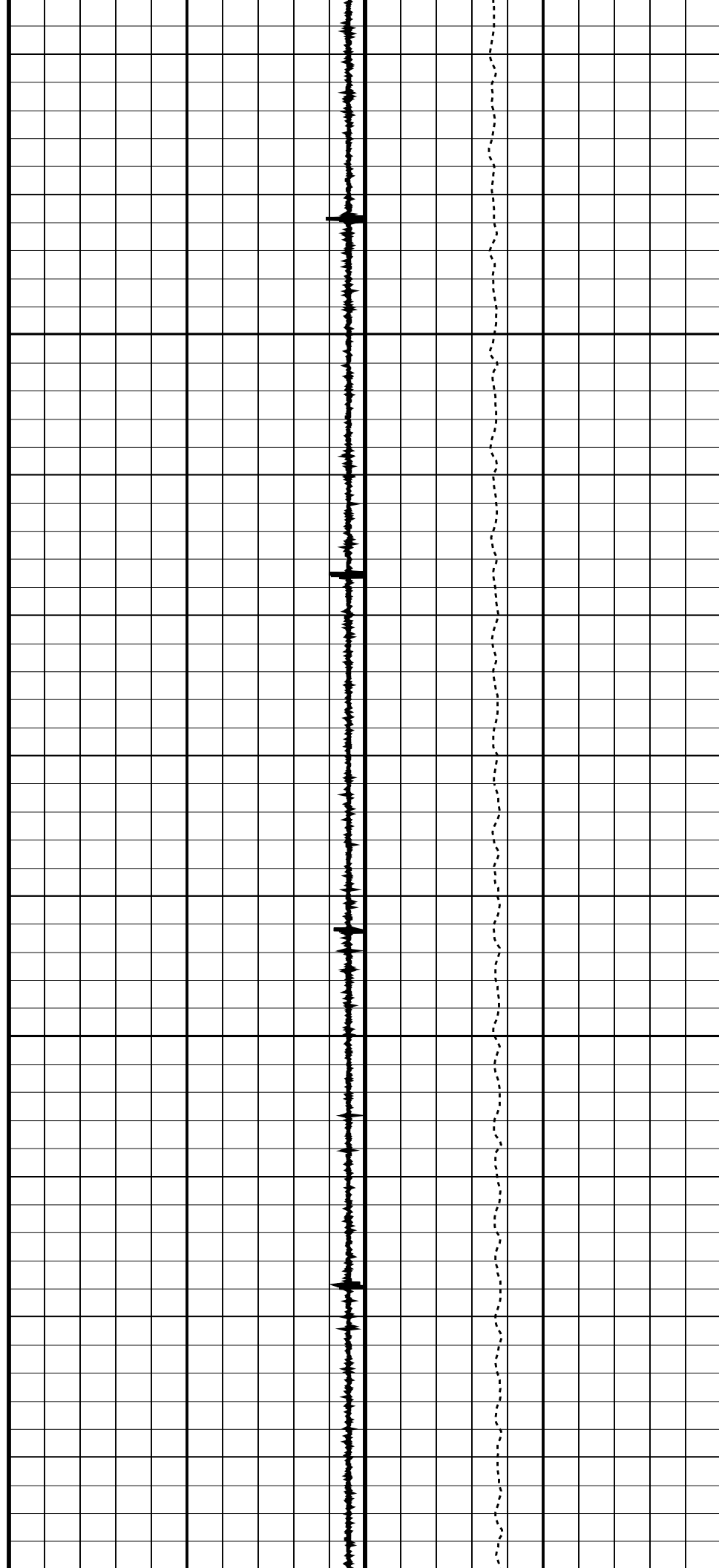


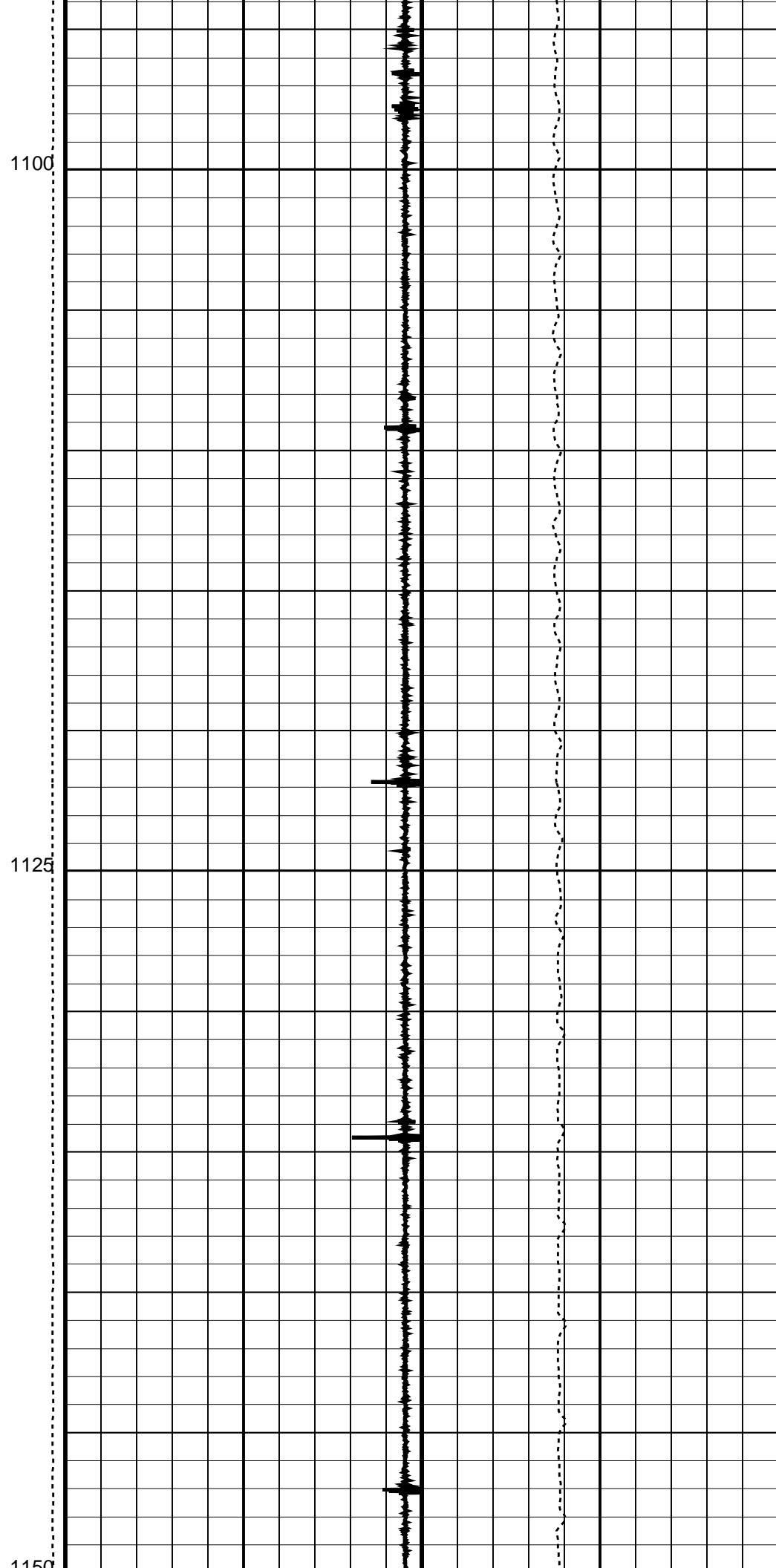
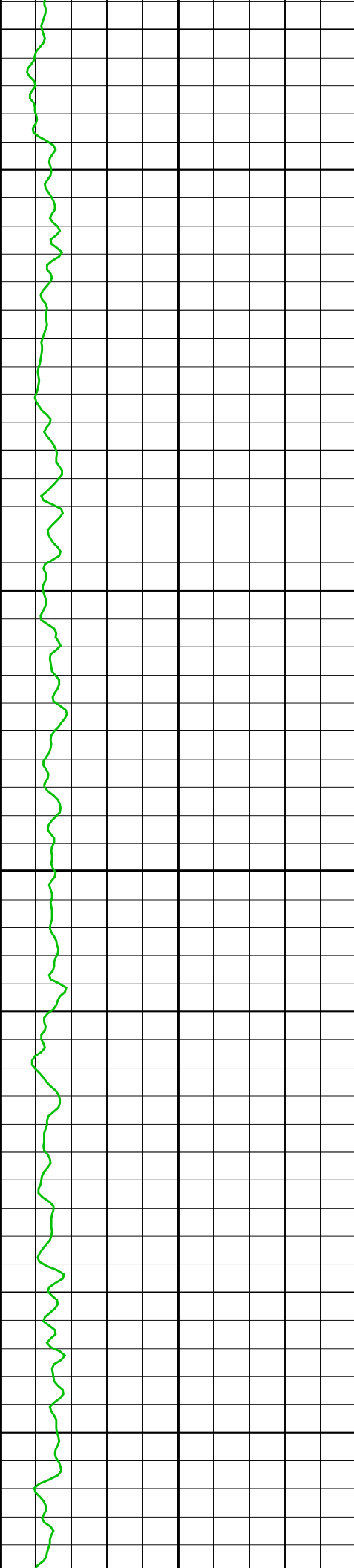


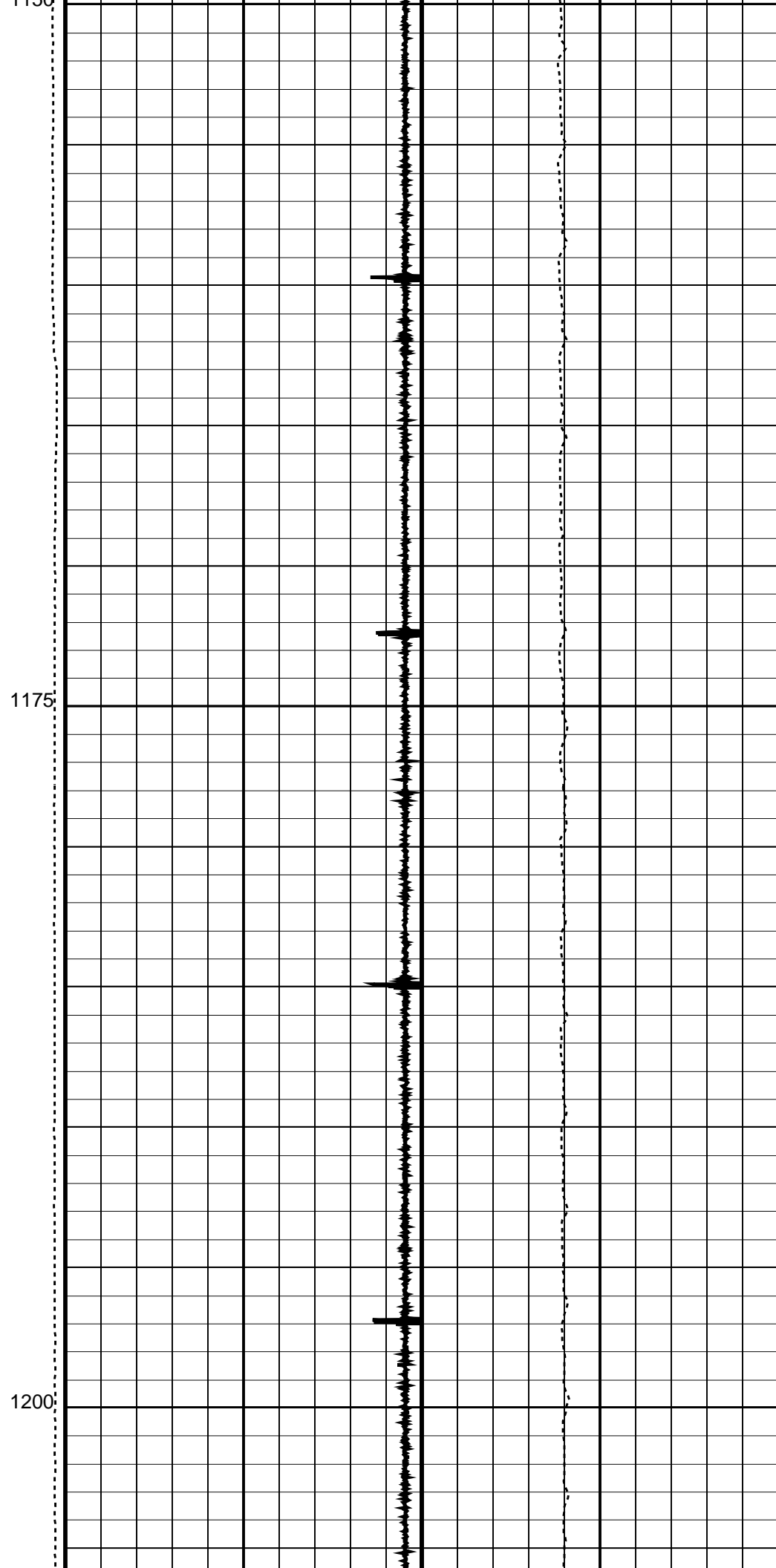
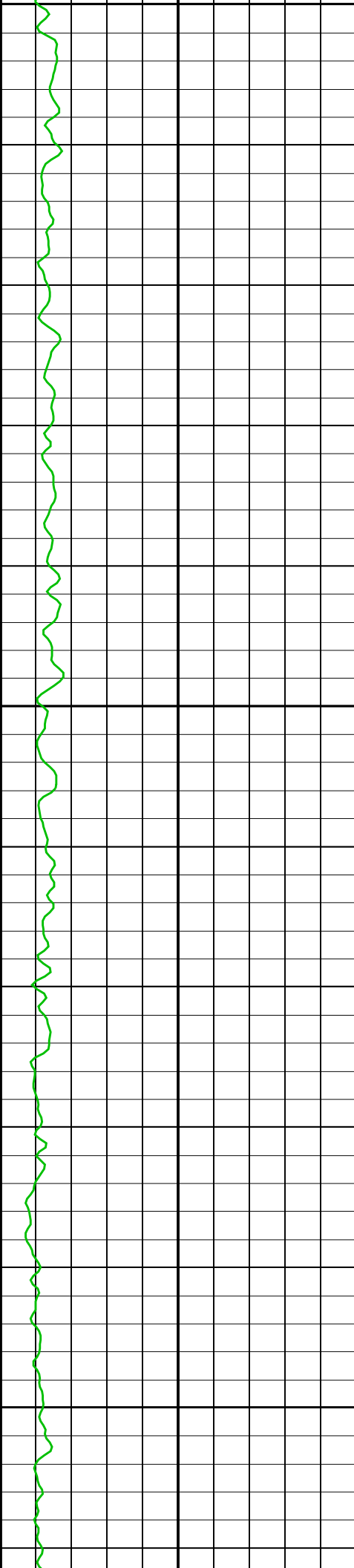


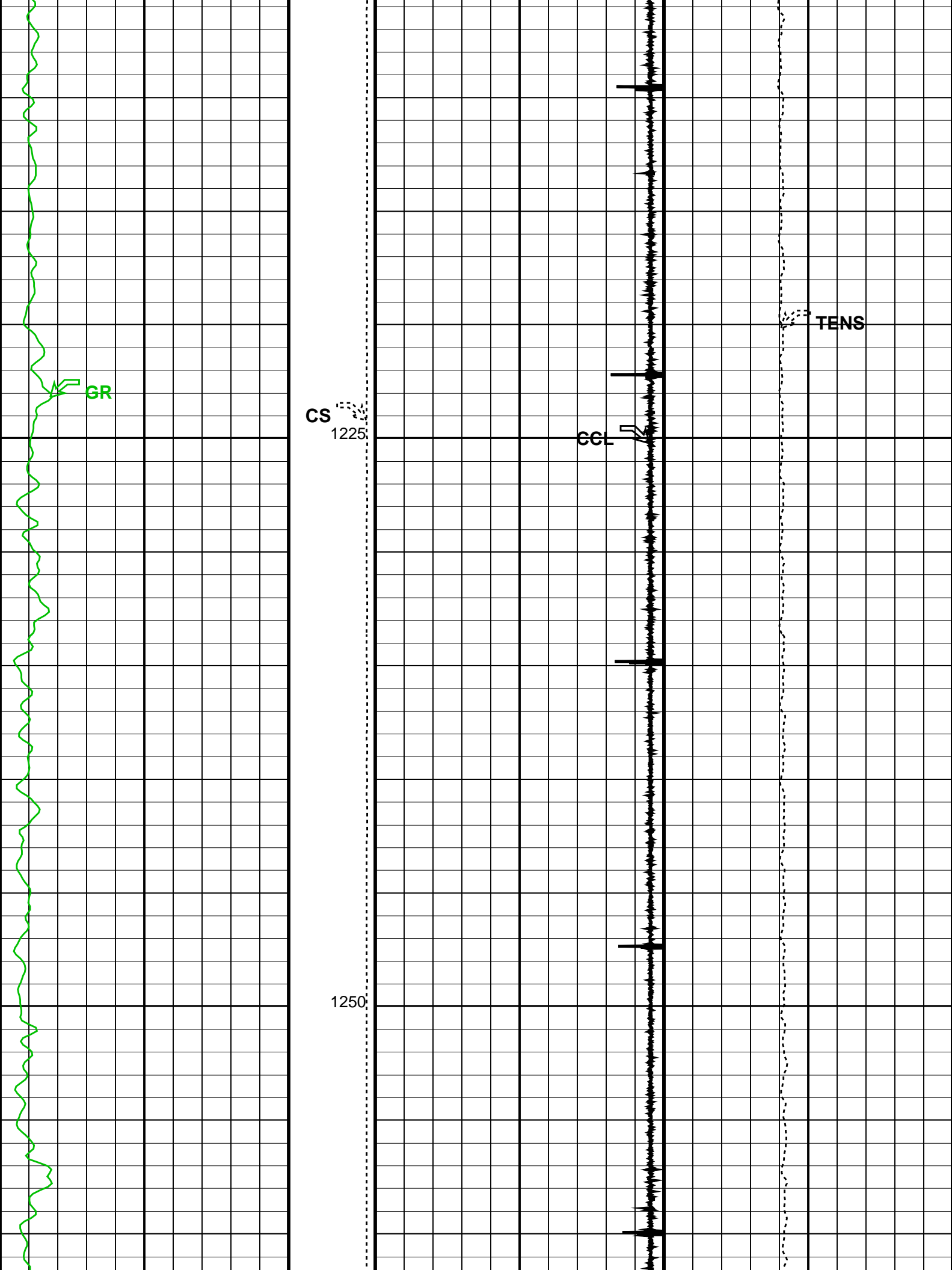
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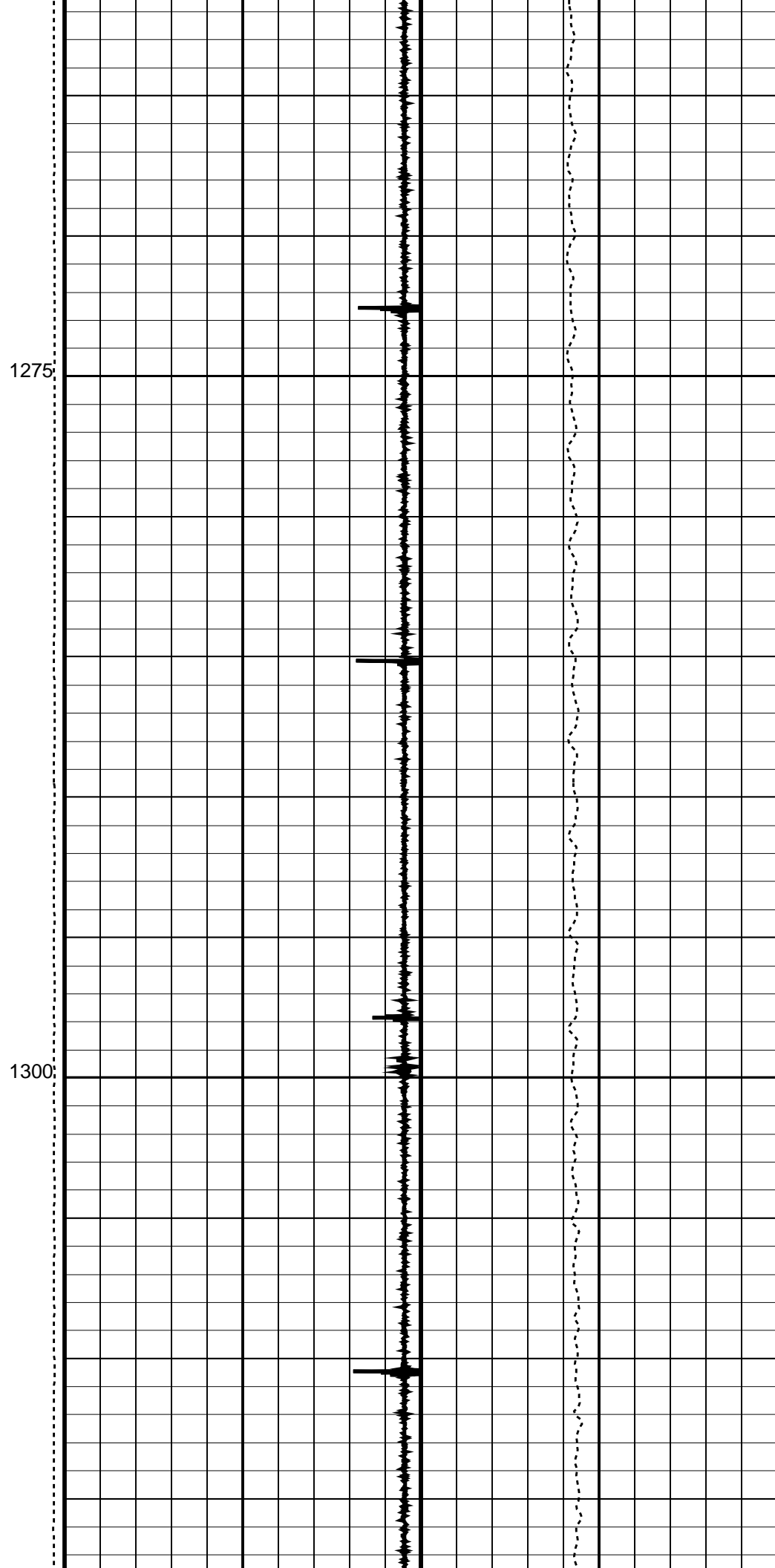
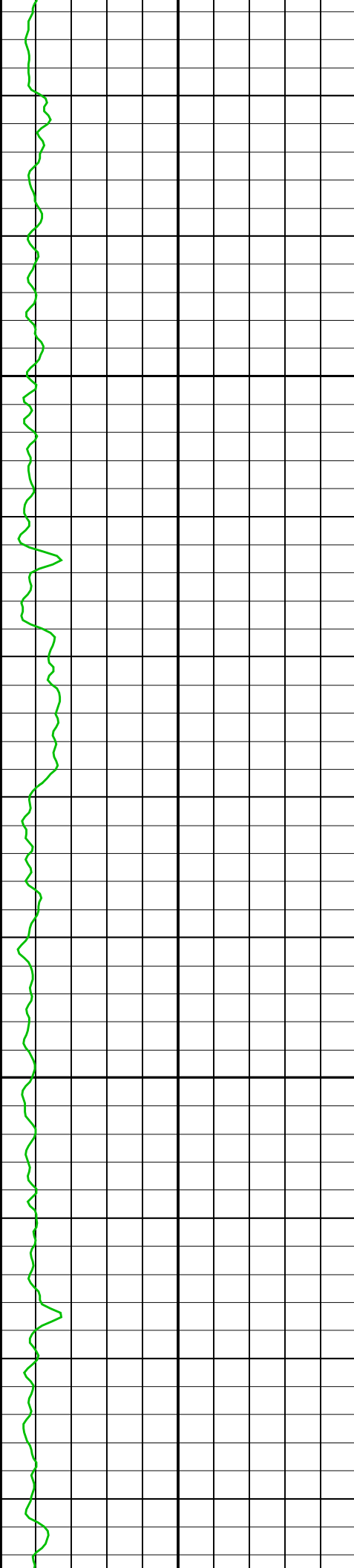
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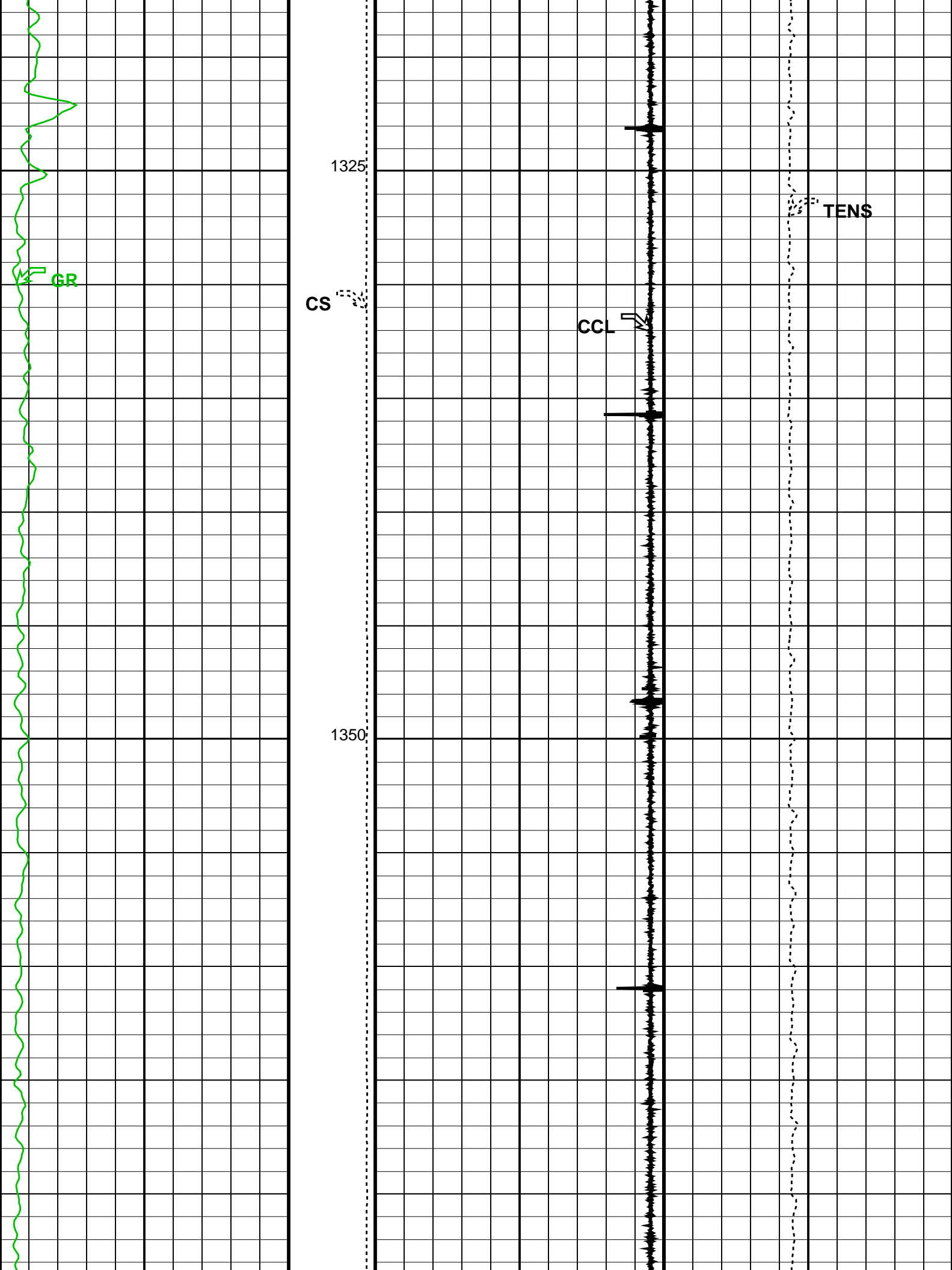


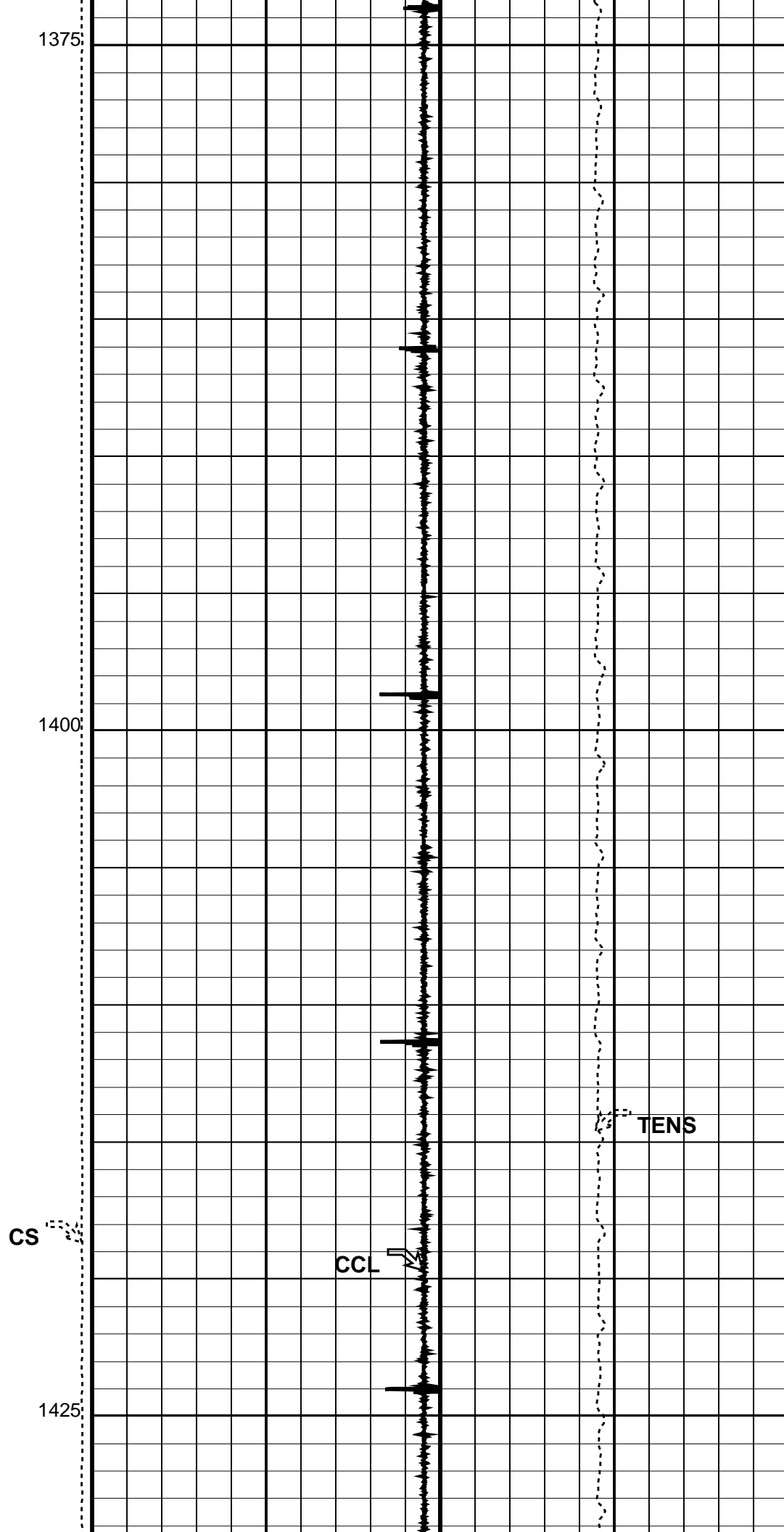
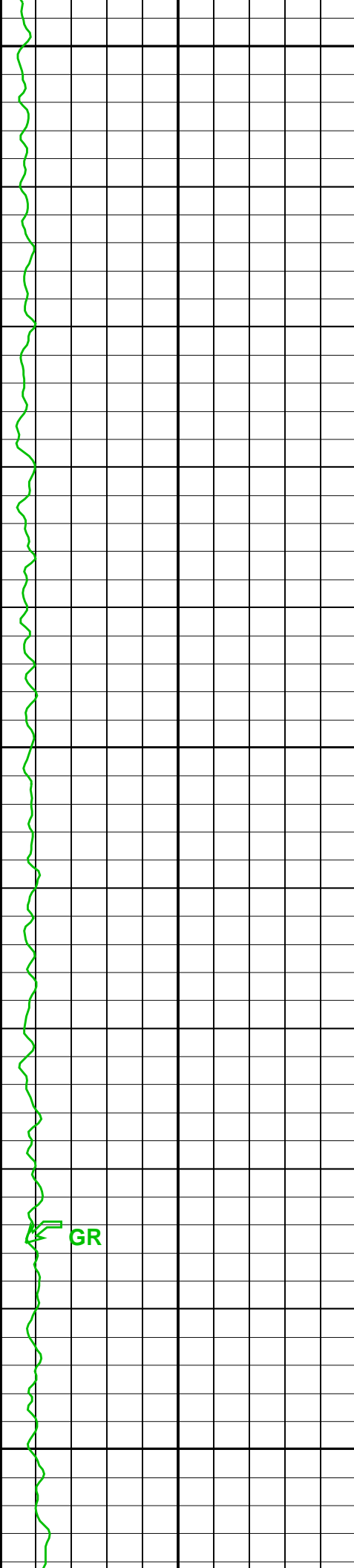


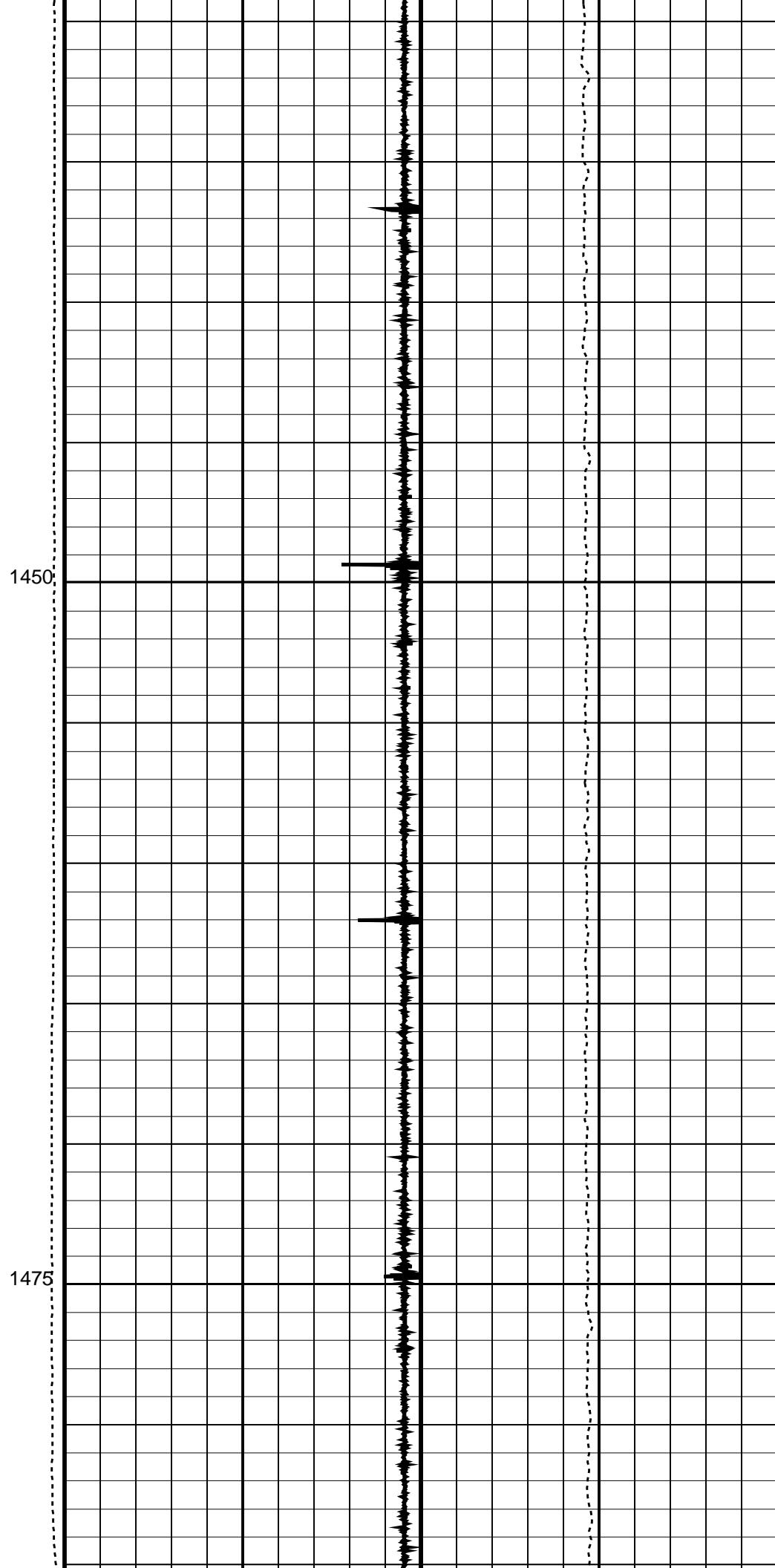
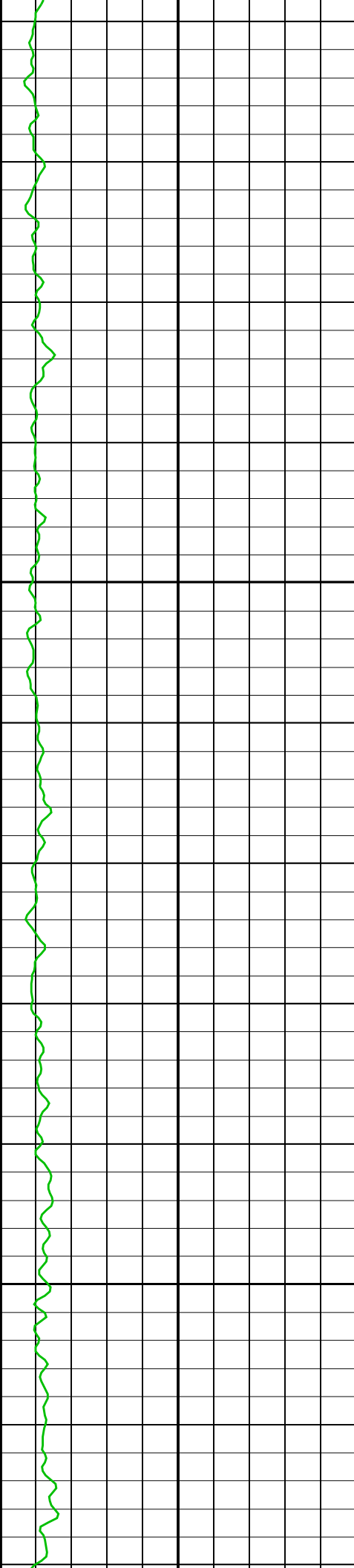


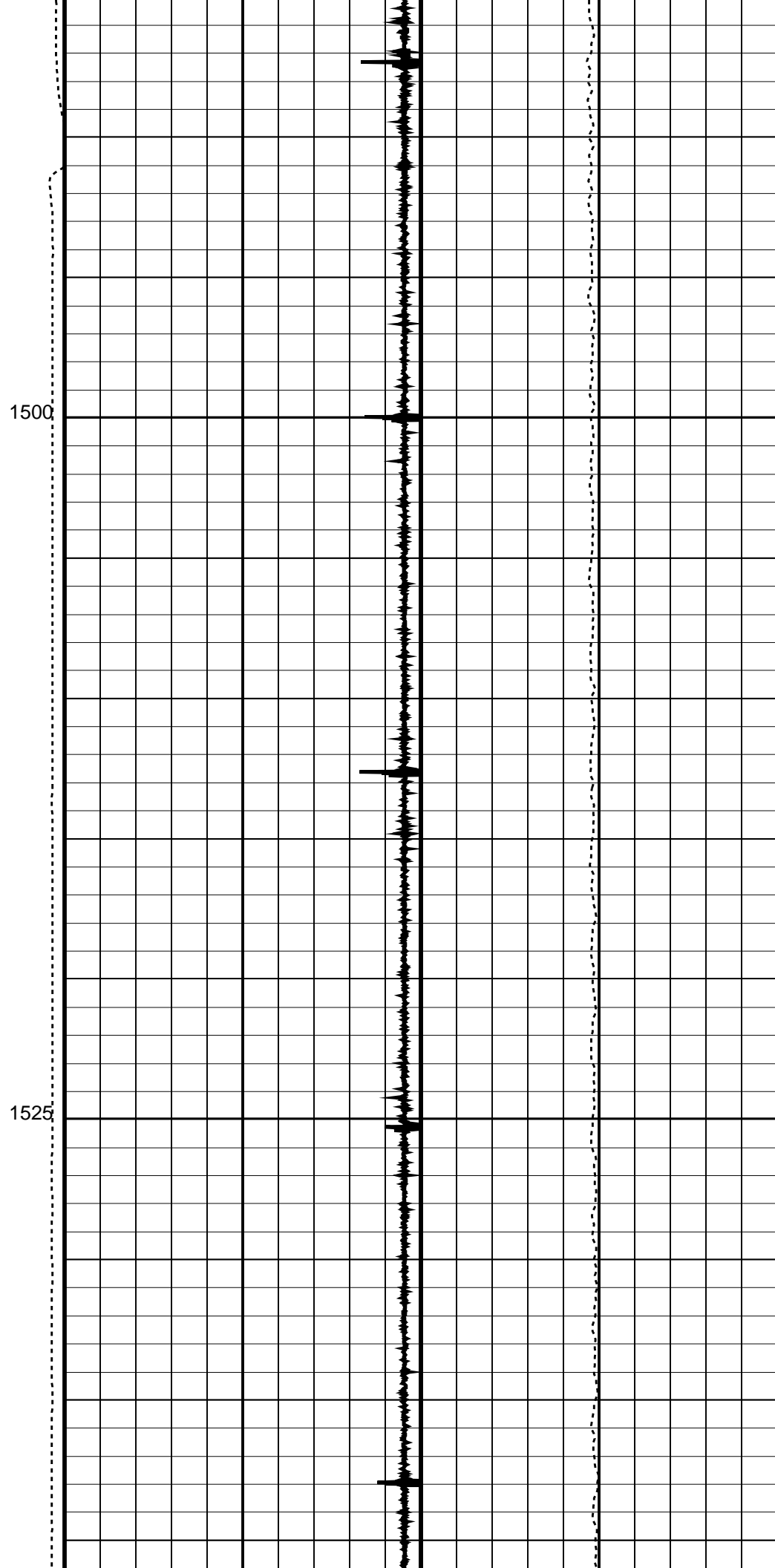
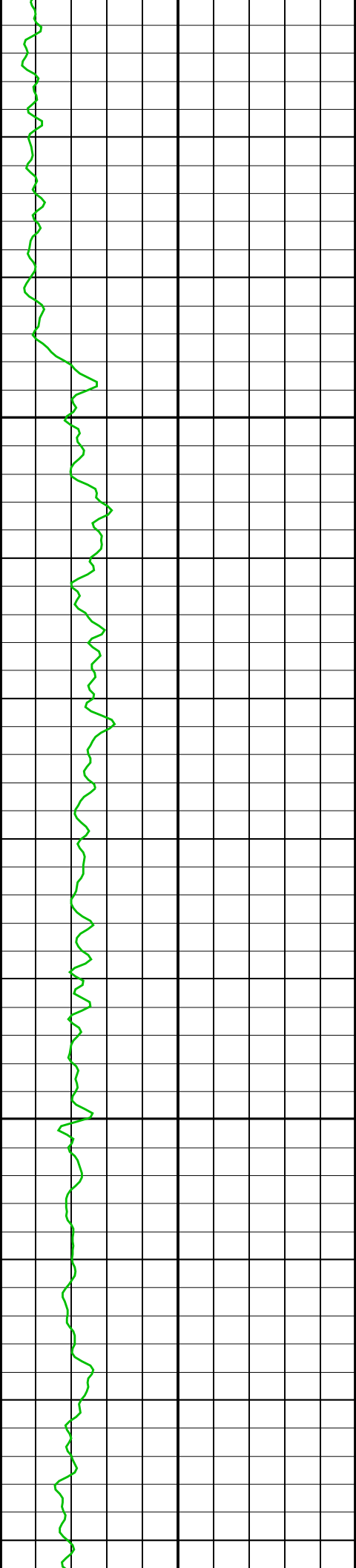


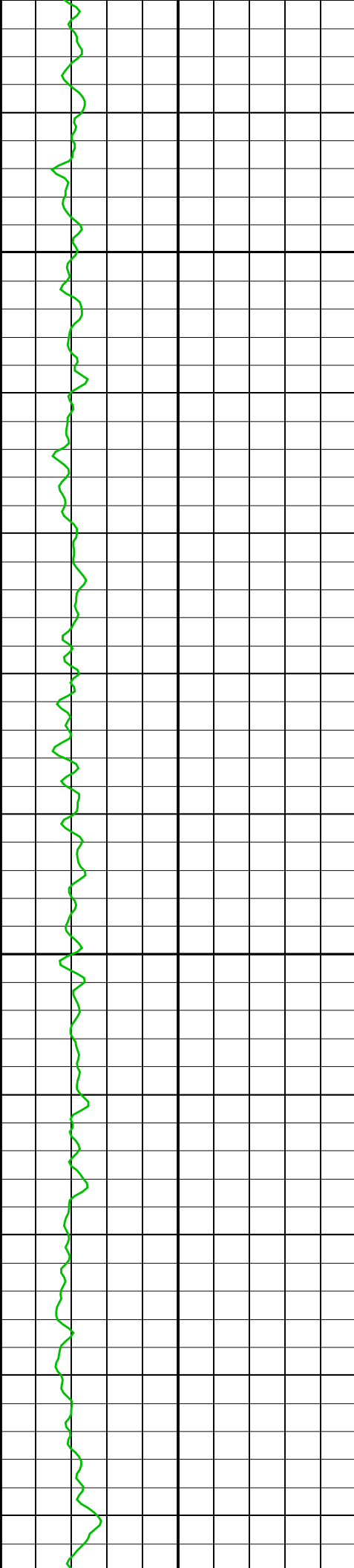






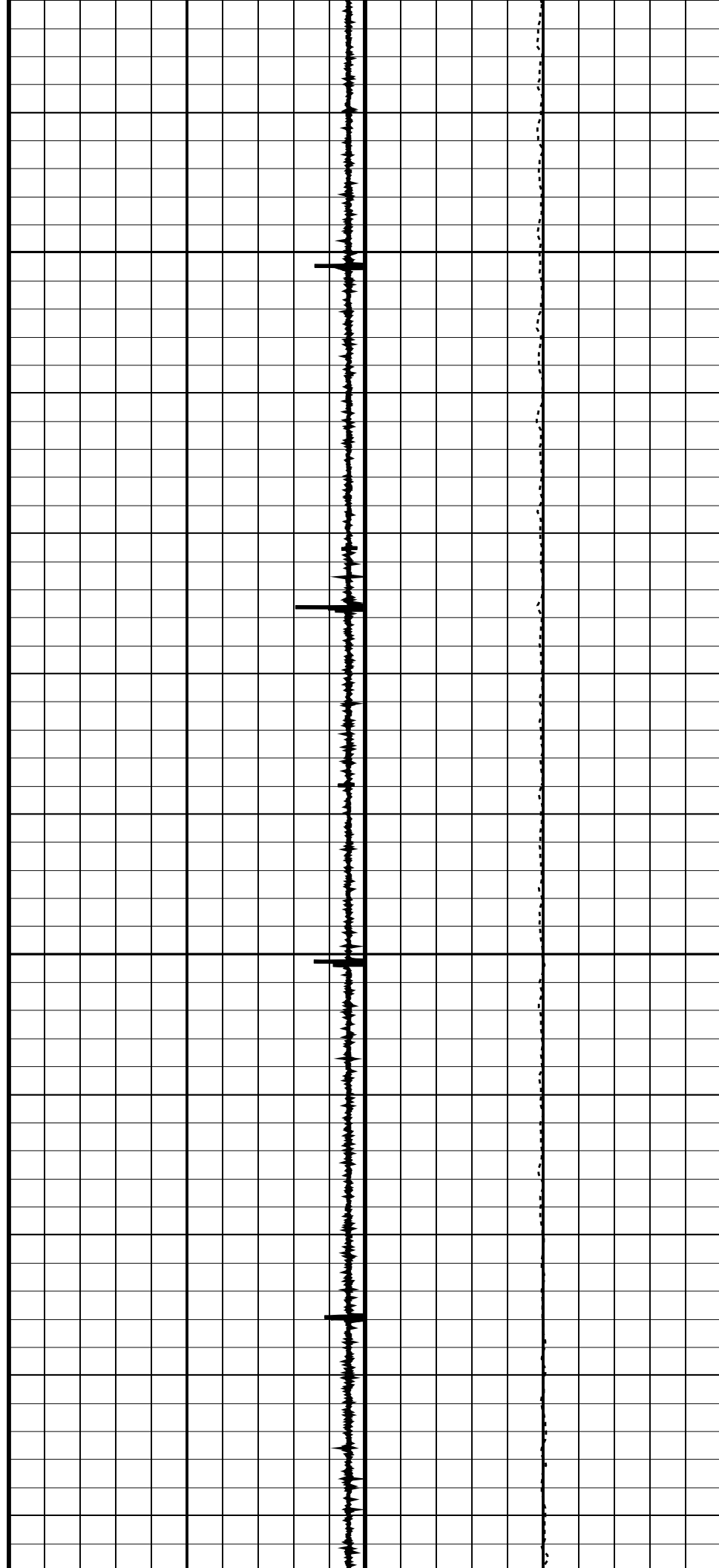


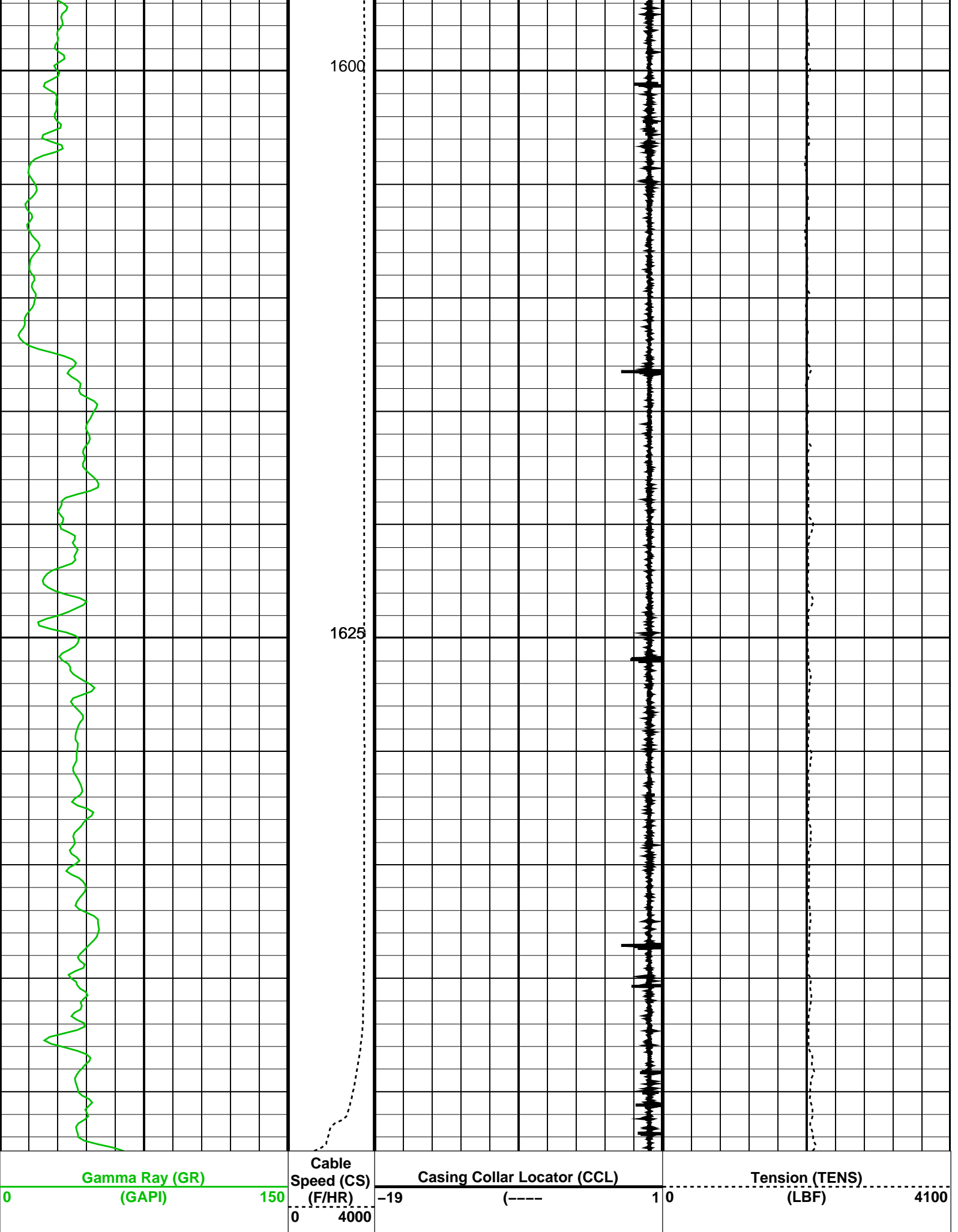




1550

1575





Output DLIS Files

DEFAULT PERFO_017LUP FN:16 PRODUCER 19-May-2006 12:33



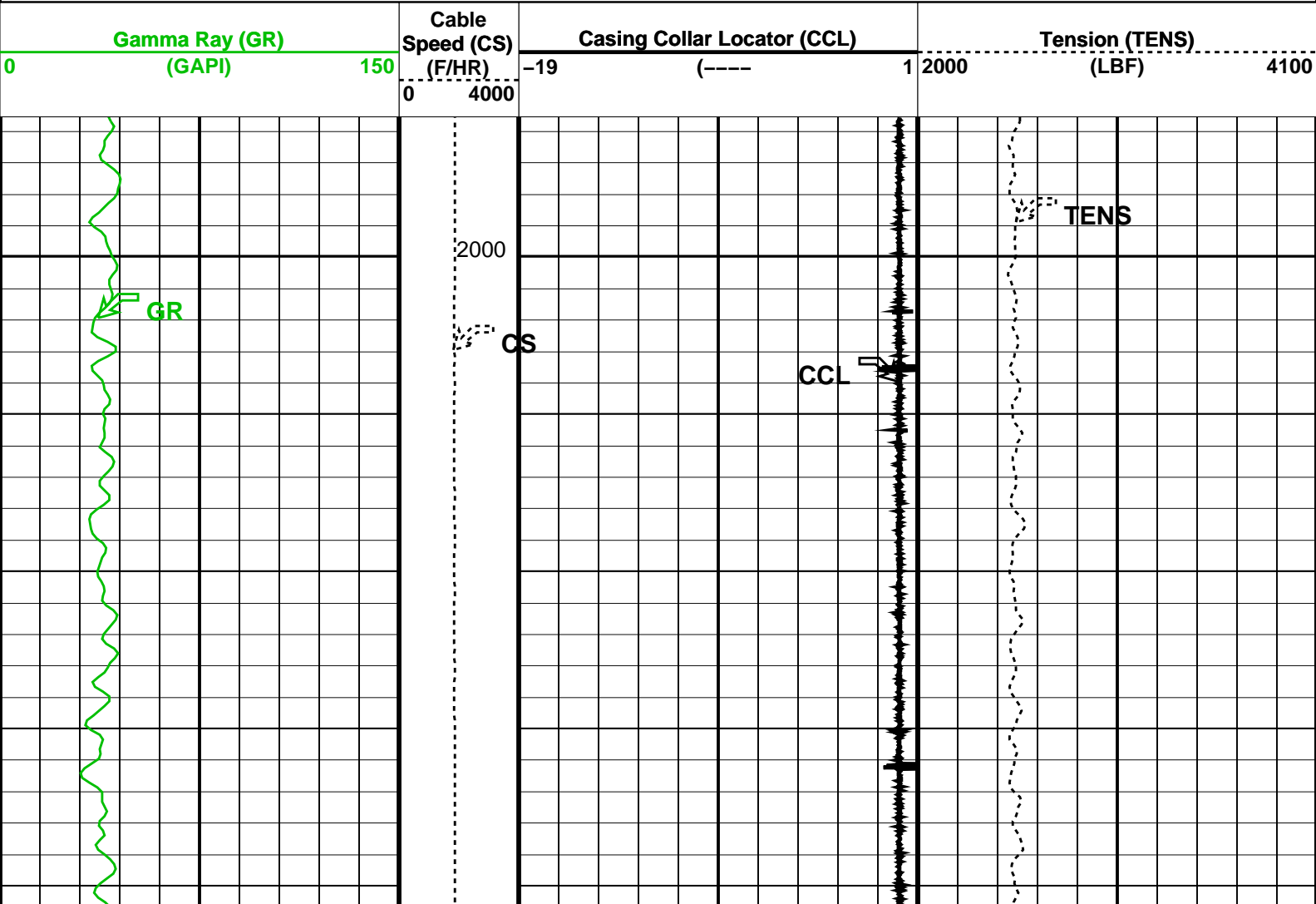
Depth Determination
First Pass

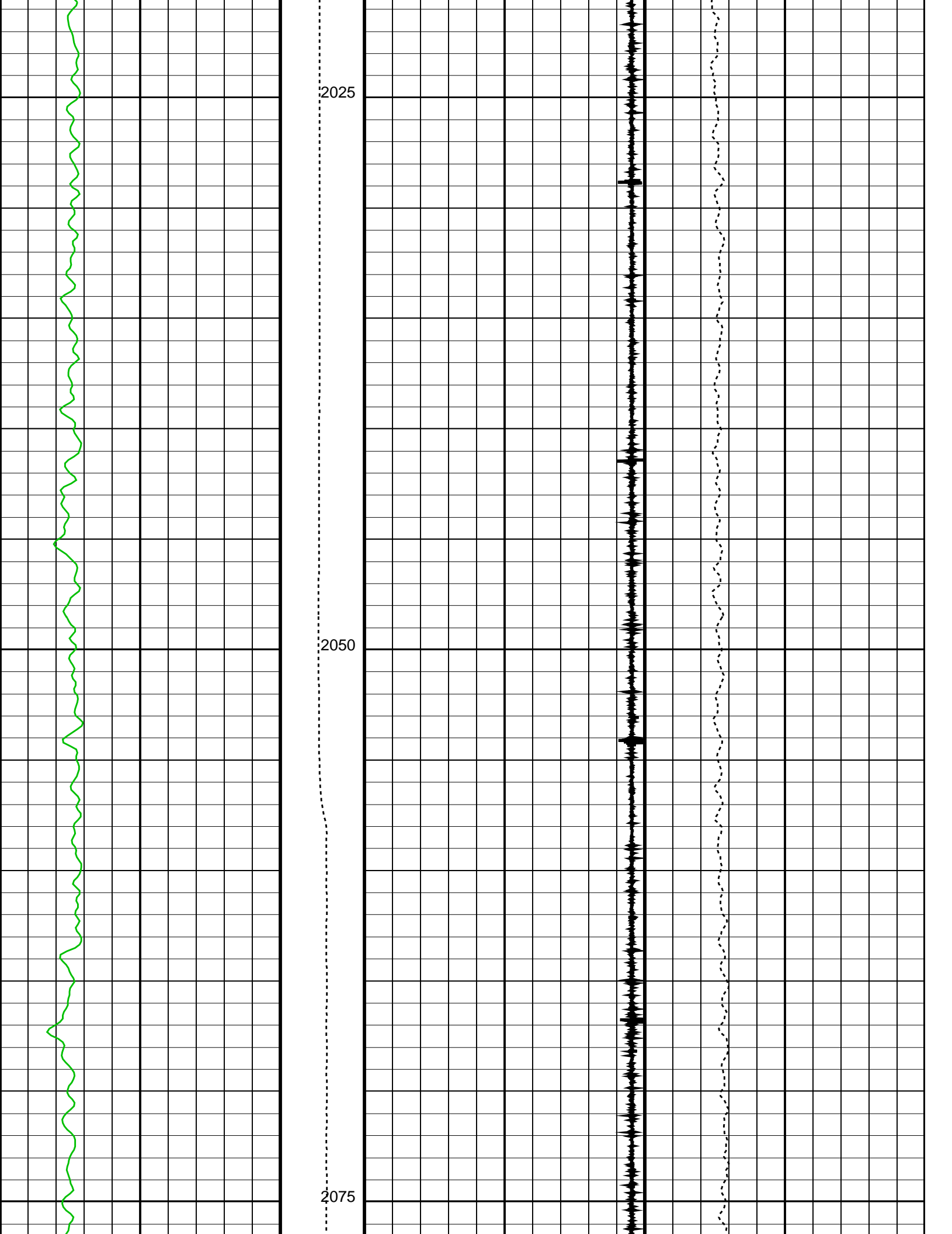
MAXIS Field Log

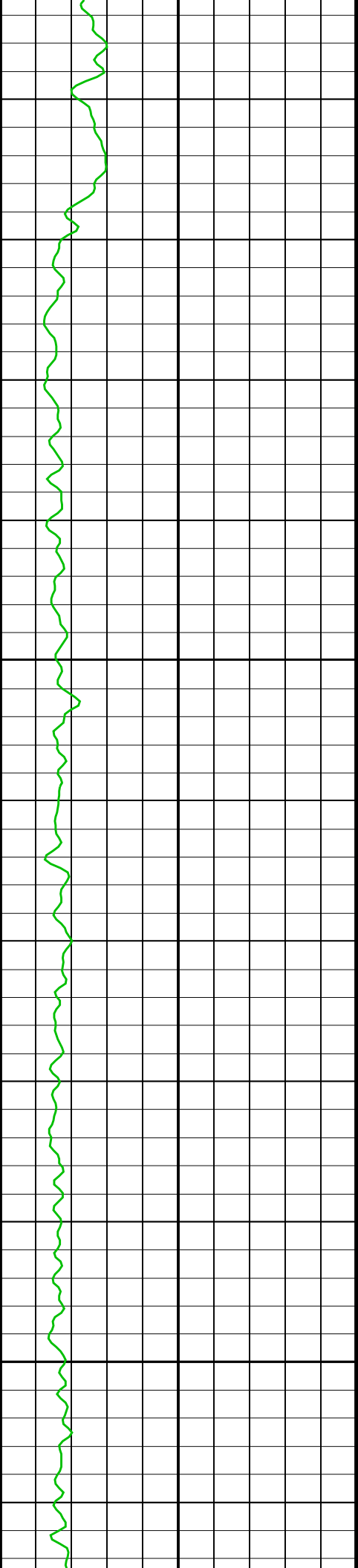
Company: WoodSide Energy PTY LTD. Well: THA01

Output DLIS Files

DEFAULT PERFO_015LUP FN:14 PRODUCER 19-May-2006 11:24

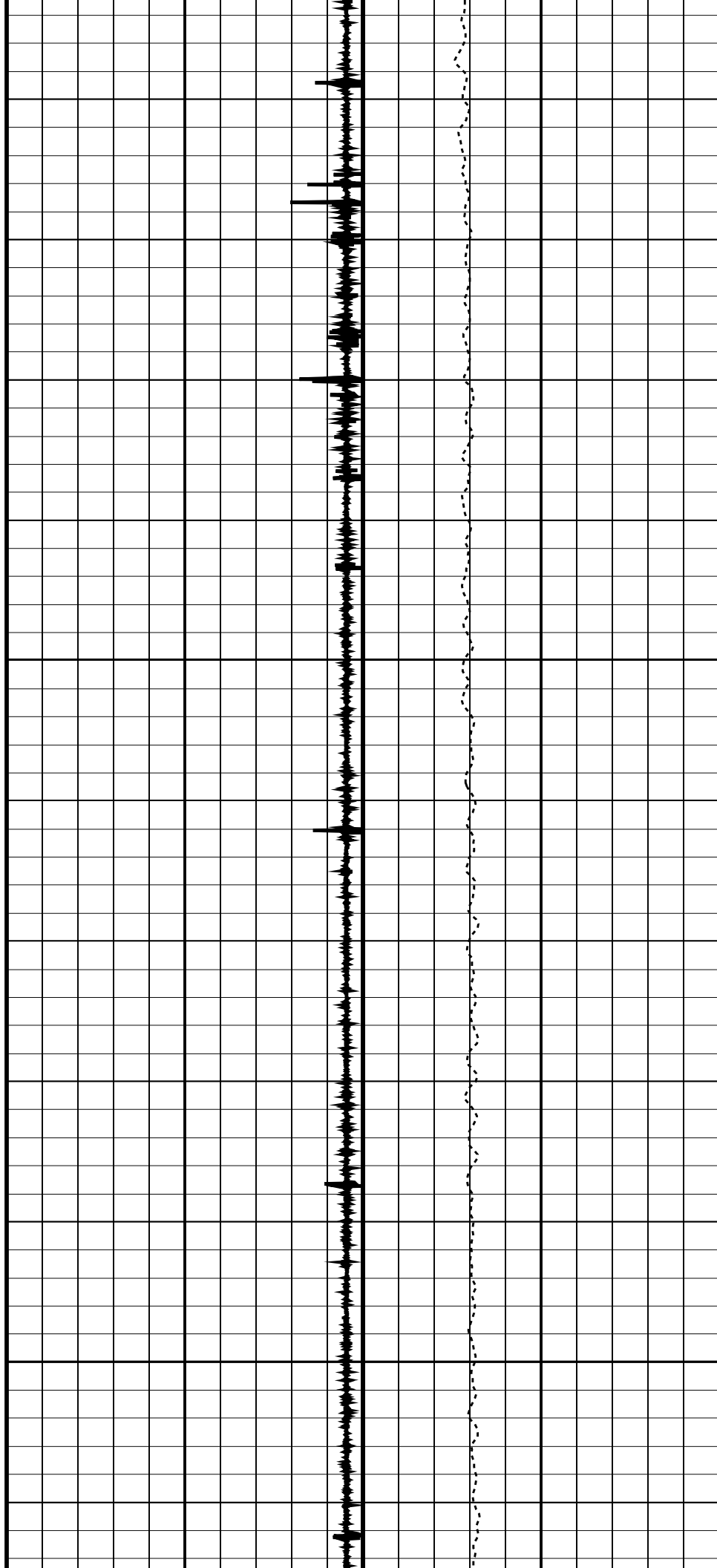


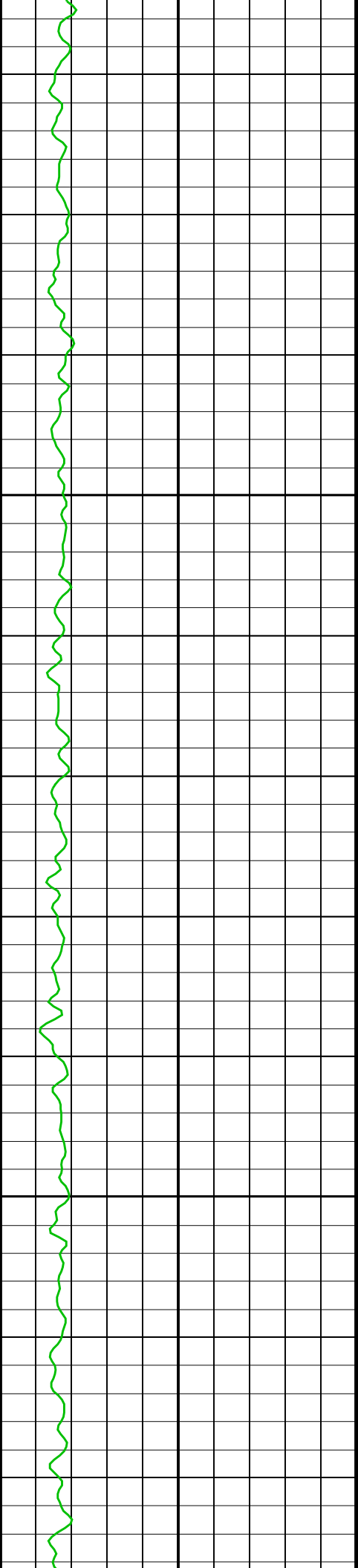




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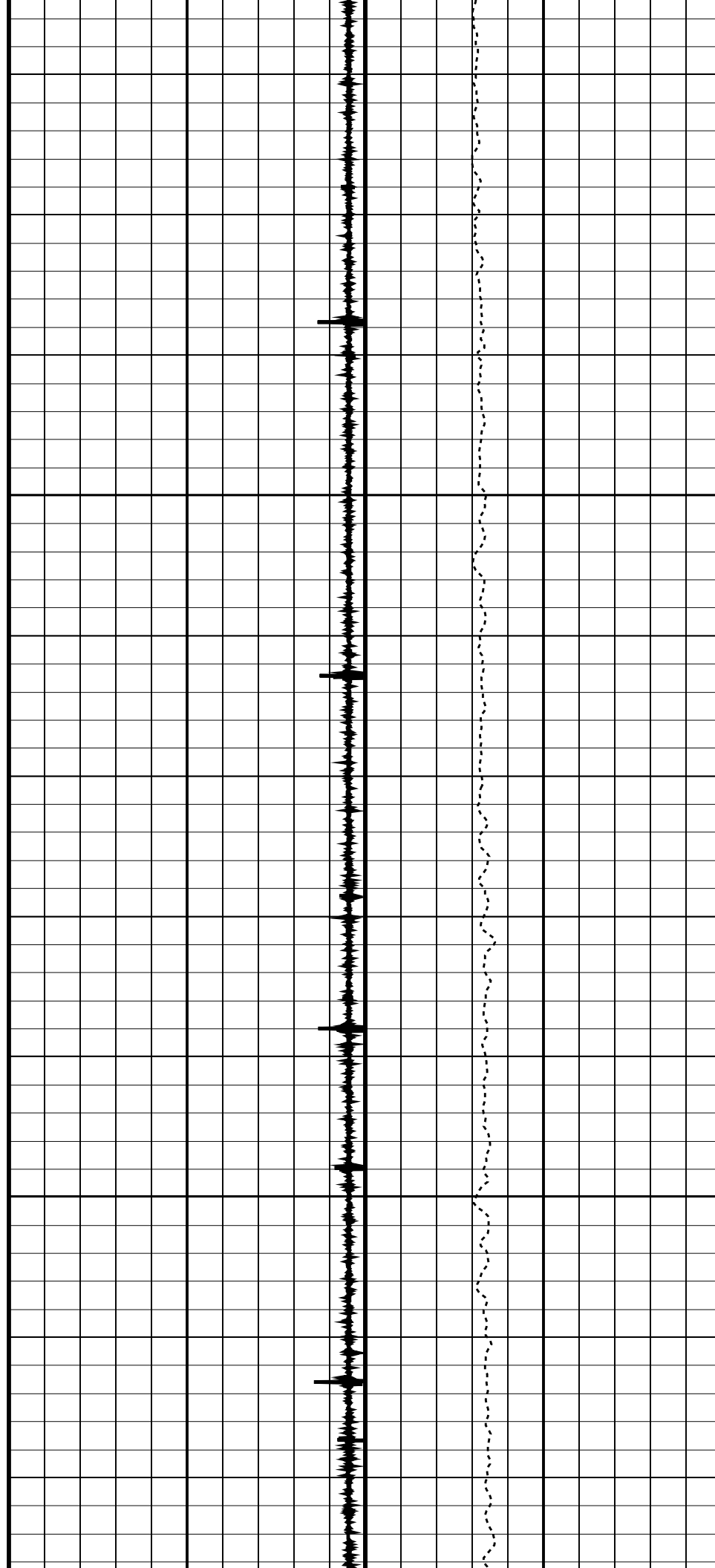
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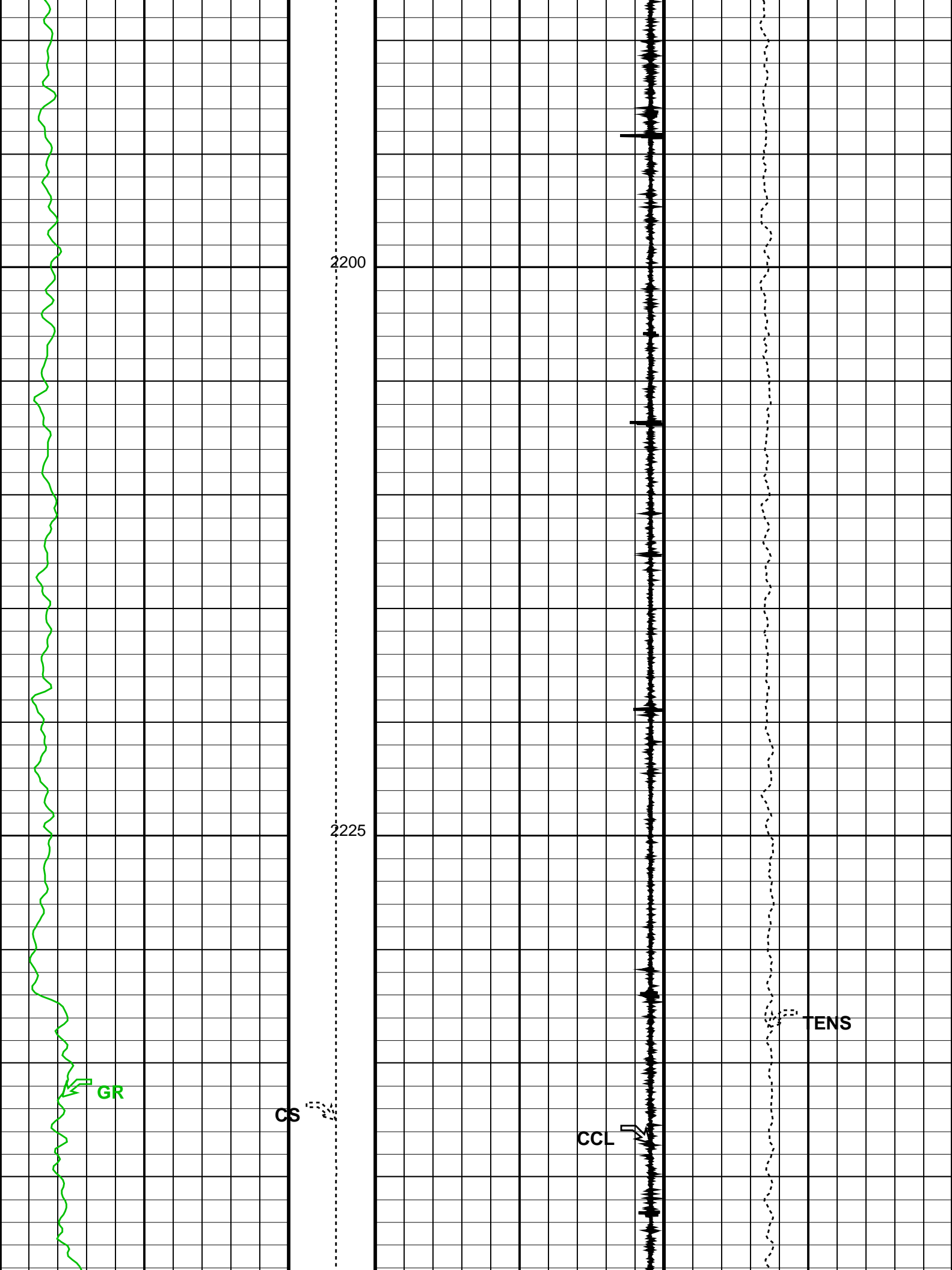


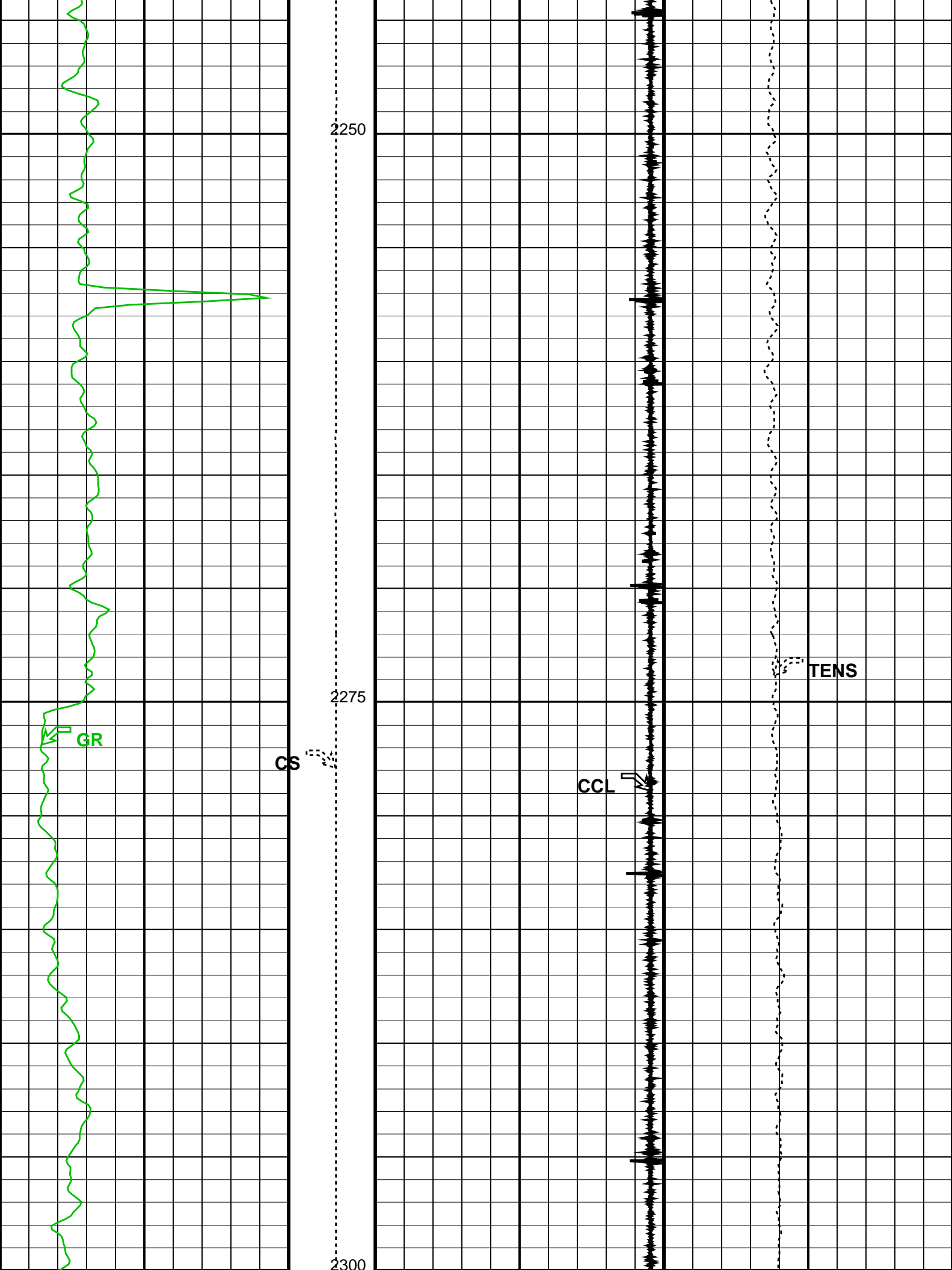


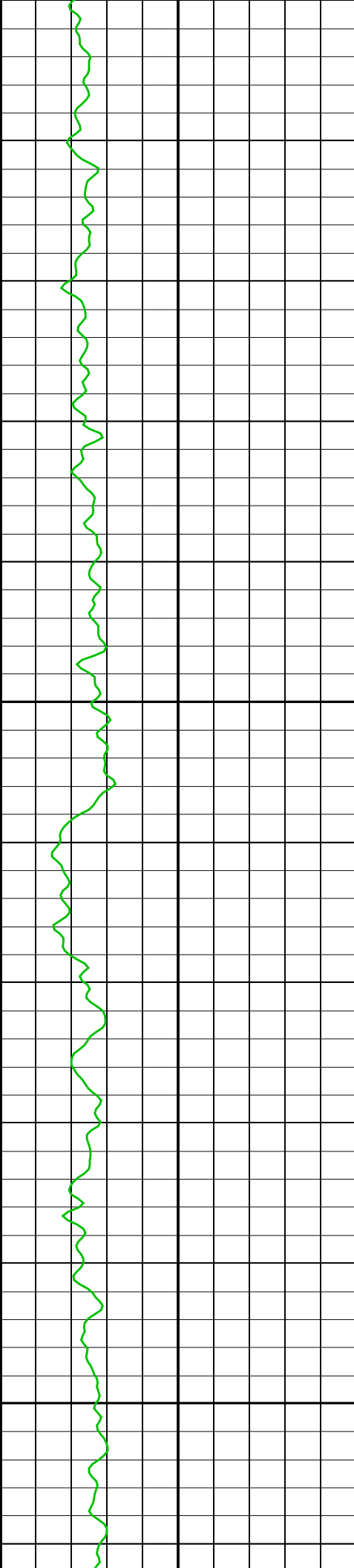
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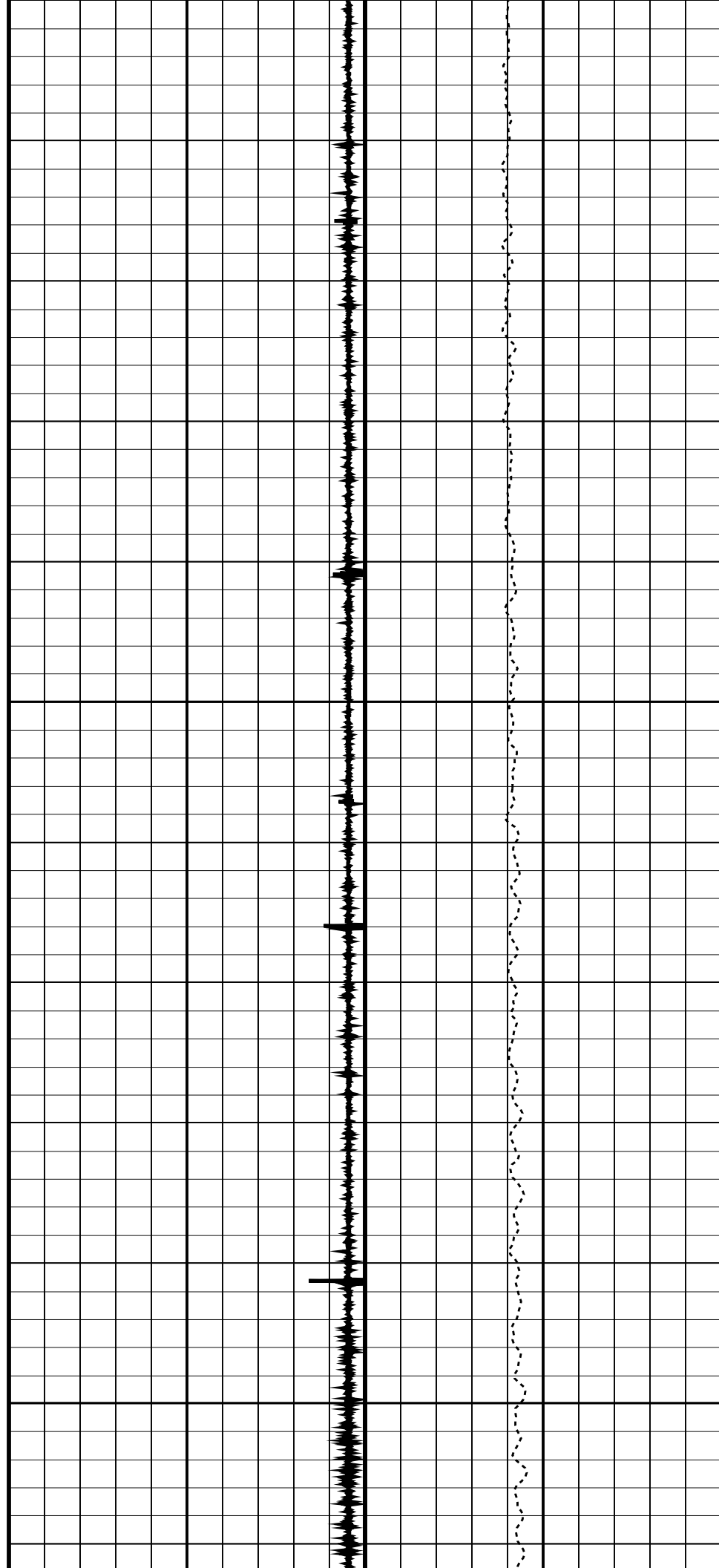


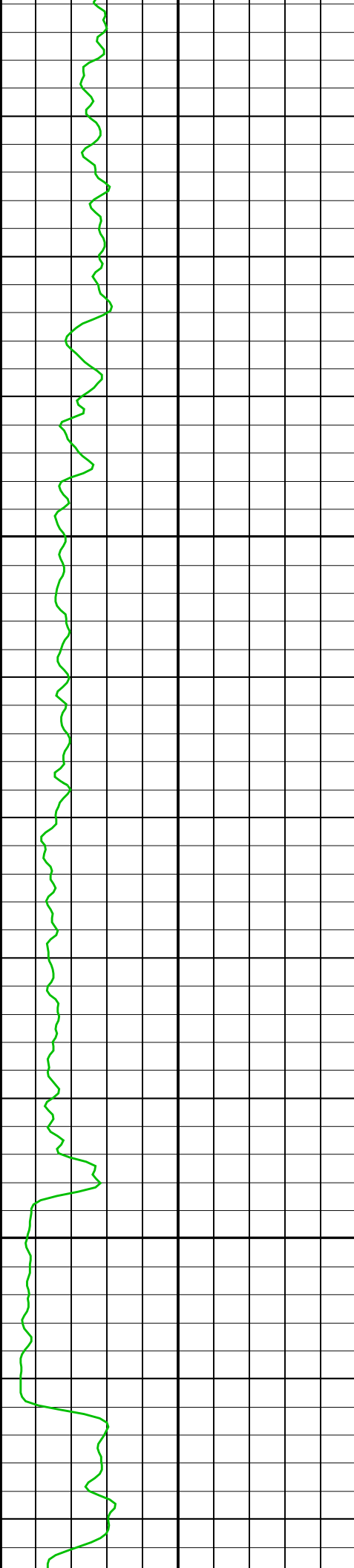






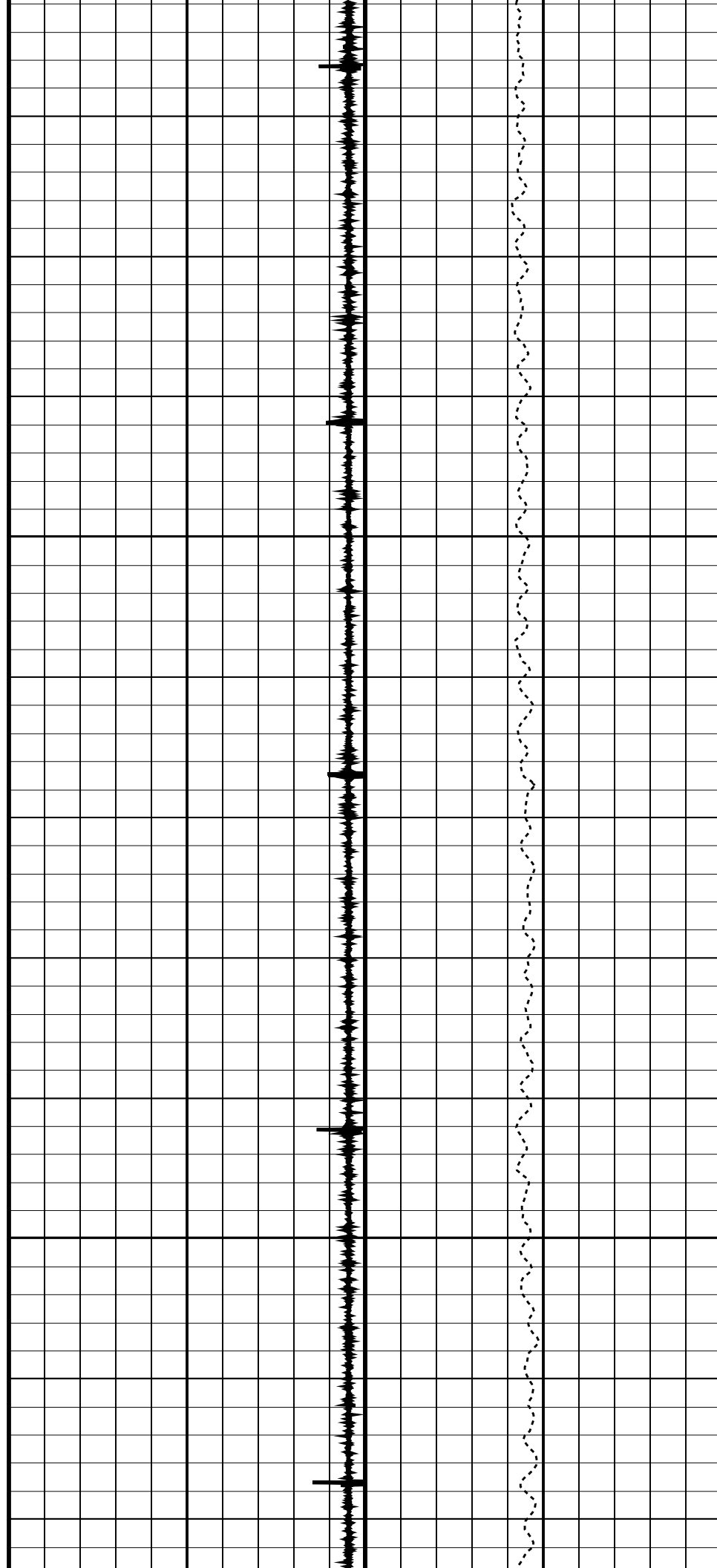
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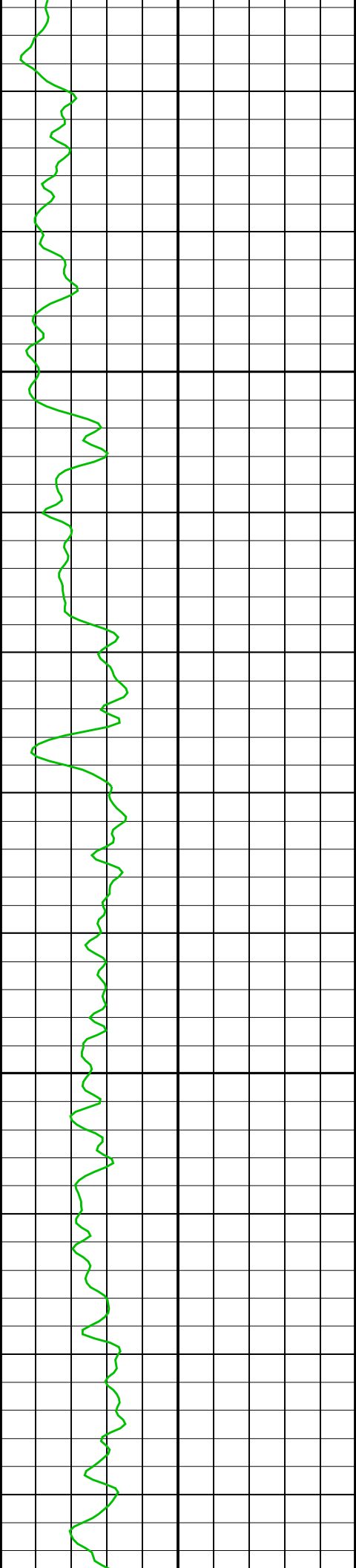




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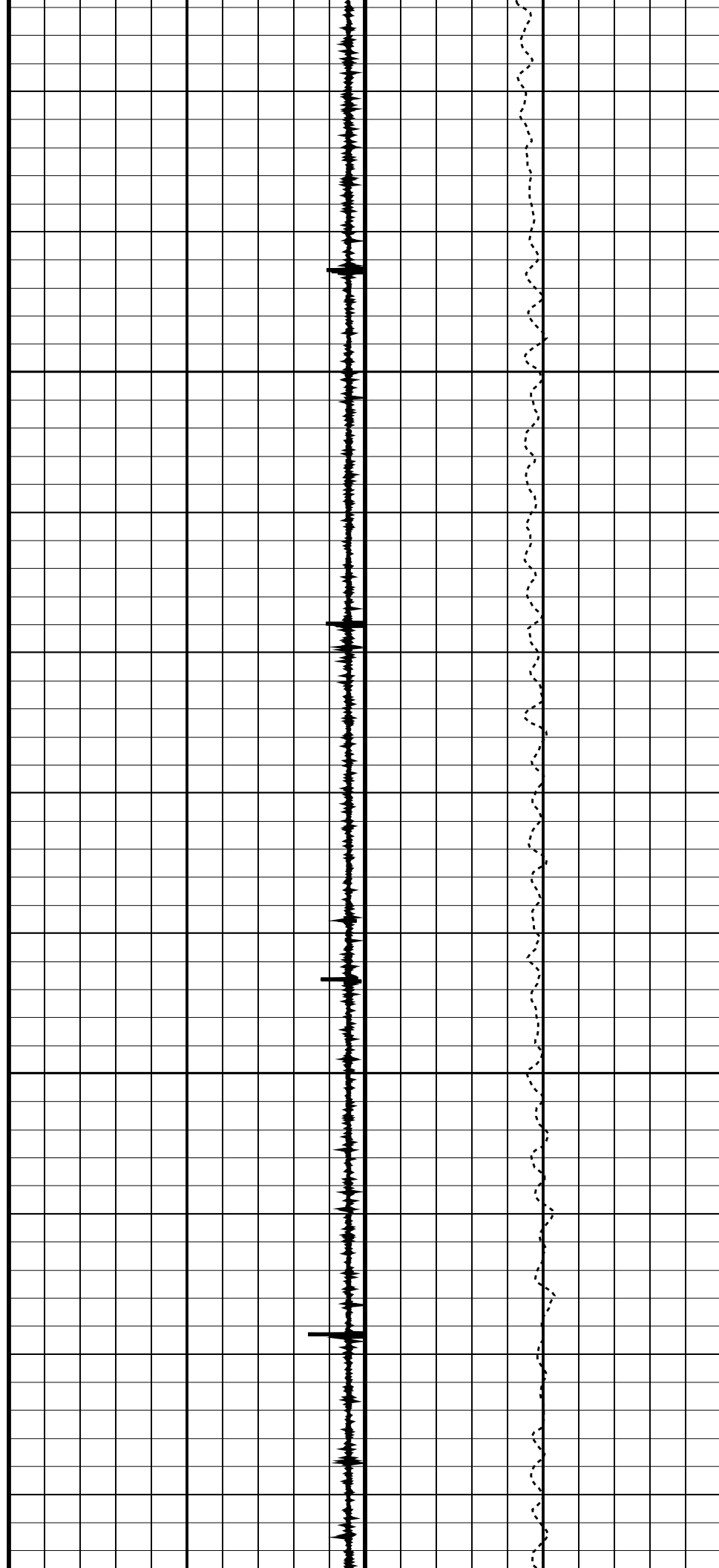
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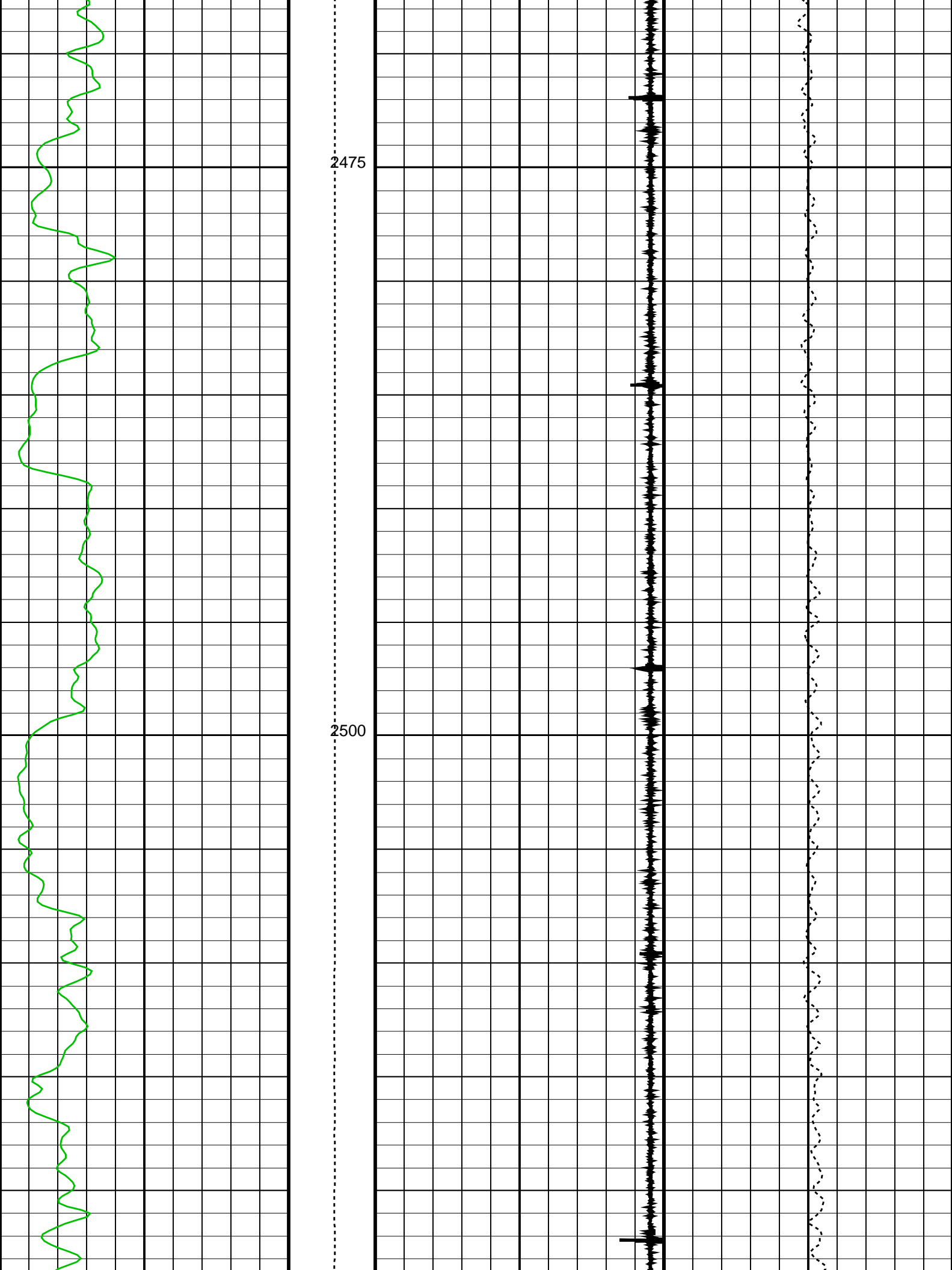


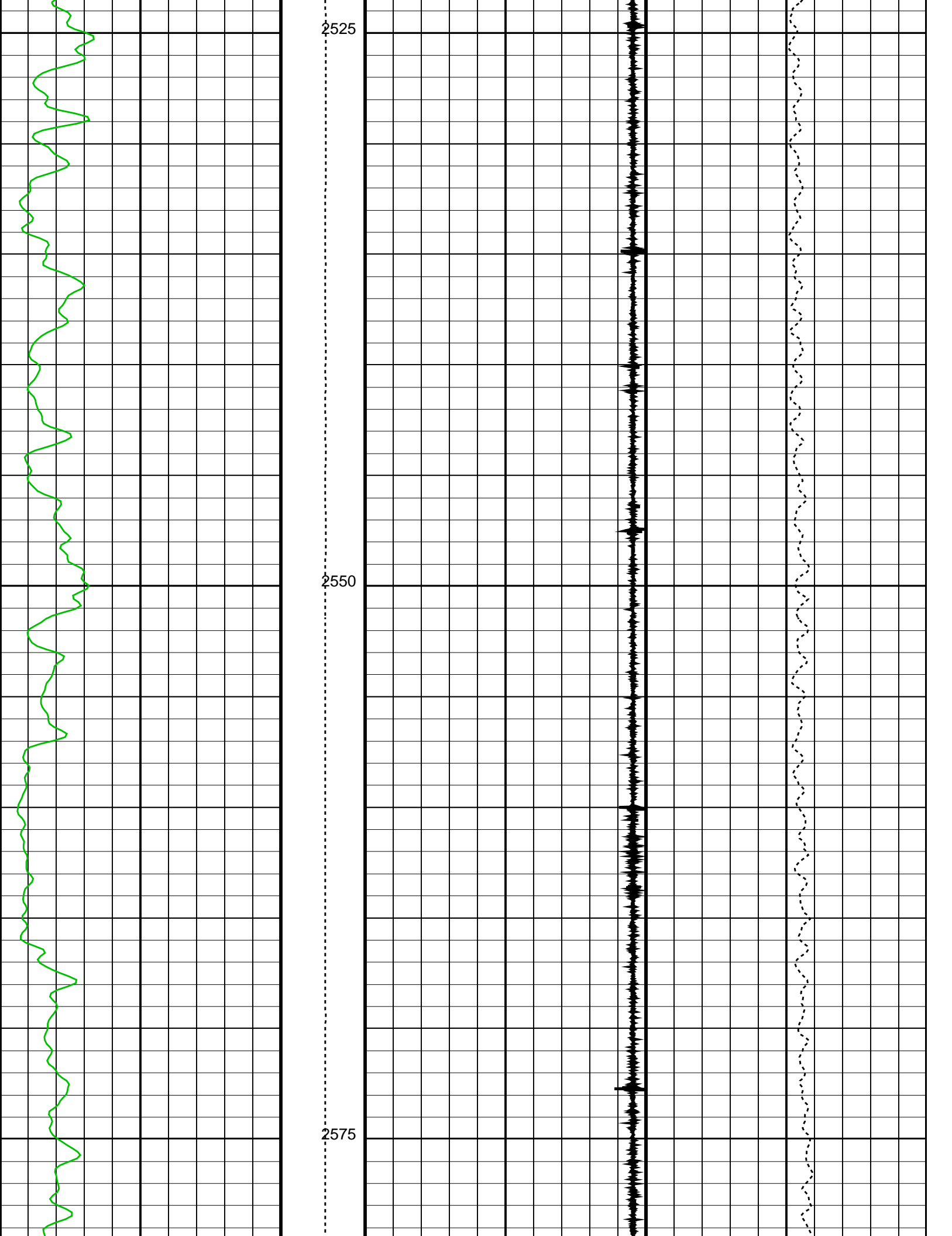


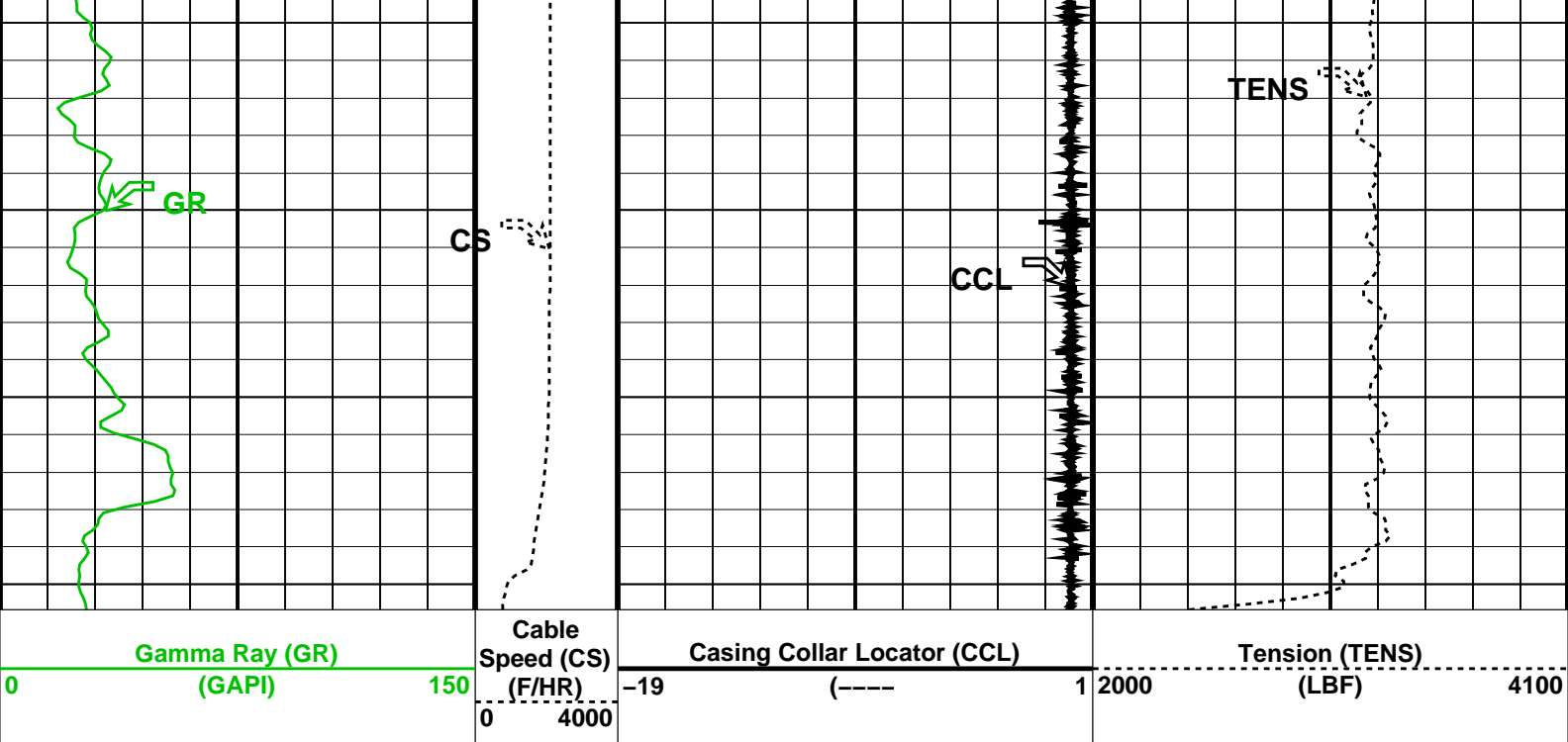
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OP System Version: 14C0-302
MCM

PGGT-C unofficial SHM_GUN unofficial

Output DLIS Files

DEFAULT PERFO_015LUP FN:14 PRODUCER 19-May-2006 11:24

Company: **WoodSide Energy PTY LTD.**

Schlumberger

Well: **THA01**
Field: **Otway Gas Development**
Rig: **Maersk Guardian**
Country: **Australia**

PGGT-Gamma Ray / CCL
Depth Determination